graphed the stand of the books.

## ECLECTIC REVIEW,

For MARCH, 1810.

as 30 slowed editation. The relaterative at

The state of the s

Art. I. Elements of Geometry, Geometrical Analysis, and Plane Trigonometry. With an Appendix, Notes and Illustrations. By John Leslie, Professor of Mathematics in the University of Edinburgh. 8vo. pp. xvi. 494. price 12s. boards. Edinburgh, Brown and Crombie; London, Longman and Co. 1809. 

. B

d Pr

the ed in

Maid

ing a ngene

red at

ith the

and its

torical ress of th

f the P

Plan of

35.

T is remarkable that scarcely any of the British editors of Euclid publish all the fifteen books of his Elements. Sir lenry Billingsley's edition, in 1570, contains them all; togeber with another book added by Flussas, and some propotions respecting mixed and composed regular solids. Barw's, also, published in 1660, contains the whole, with exception of a few propositions in the latter books; cloding, besides, the Data, and Demonstrations of Archiedes's theorems on the Sphere and Cylinder. David Grery's elegant edition of the Works, Gr. and Lat. 1703, comzes, of course, the whole of the Elements: and this, we heve, is the latest edition published in England, that inades all the fifteen books. For Dechales's contains only e first six books, with the 11th and 12th: Stone's edition sthe same books, with some valuable additions to each ok: Martin's contains only the same books, the additions peeting spheric and conic geometry being his own. Sim-, again, the great restorer of Euclid, only gives the be booke, besides the Data, and his own treatises on Plane Spherical Trigonometry. Bonnycastle follows the same n. Playfair's edition, so far as relates to the first six descript ks of the Elements (and he does not exhibit the Data f emine all), is neither more nor less than a verbatim unacknowf the su igned for ed copy of Simson's\*, with a slight alteration or two resakefield.

As this is rather a serious charge to bring against a work formerly ome little notoriety amongst the Edinburgh classes, though of no reputation in the scientific world at large, it may not be amiss to 01. VI.

peeting parallel lines in the sixth book, and a change, much for the worse, in the fifth book. Ingram, in his Euclid, (the last edition worth specifying,) has given to the fifth book all the conciseness, perspicuity, and force, of which the Euclidean doctrine of proportion is susceptible: but he, like most of his precursors, has neglected to pre-

tri

cal

clu

are

be

the

the

crup

rom

n the

vriter

rom I

011.61

ometi

ngua

appe

non

nerat

d be

ary re

em fo

eaks

ished

anges rted f

partin

Dr.

wever

dee

Di

ons,

fess

ptec

shew that it is just. First, we affirm that the first six books of Pro. fessor Playfair's Euclid, are, with the exception of the few alterations referred to above, copied verbatim from Simson's edition. This may be ascertained by any one who will take the trouble of comparing the two works. In general, definitions, propositions, demonstrations, corollaries, are word for word the same. If Dr. Simson end with saying "There. fore, one circle, &c. Q. E. D."; so does Mr. Playfair. If the Doctor terminate with "Wherefore, if a straight line, &c. Q. E. D.;" so does the Professor. If the Doctor say "Therefore, if from the ends of, &c, Q. E. D.;" so does the Professor: copying so carefully, indeed, as to adopt the peculiarities of language, and even of punctuation. It may be said, True: this is because they both copy Euclid. The fact, however, is otherwise. Mr. Playfair's transcript cannot be from Euclid: nor is it exclusively from the editions of Barrow, of Stone, of Bonny castle, &c. or sometimes from one, and sometimes from another: but un formly, constantly, and faithfully, from Simson. Thus, if Simson by omitting little words, as in the demonstration of Prop. 3. lib. 6., render his language inelegant, so does Playfair. If Simson use the indefinite article the, instead of an or one, as in the enunciation of the same propo sition, and thus represent a triangle as having but one angle; so do Playfair; notwithstanding Dechales, Barrow, Martin, Stone, and Bonny castle, (though they do not copy from each other,) guard carefully again this source of obscurity. Next, we affirm that Mr. Playfair's wholes copy of nearly half his book from Simson is unacknowledged. We belief it will be found, on careful examination, that there are but five fair a manifest acknowledgements; which all refer only to particular parts what he has copied. These are, 1st. in Playfair's note on Def. 2, Lib. where, when explaining the relations of a superficies, a line, and a point, one another, he says " I shall here add, with very little change, the lustration given by that excellent geometer; " and then a quotation almost two pages is gravely introduced, with all the formality of invent commas, &c. 2dly. In the notes to Lib. 6. speaking of 8 proposition marked A, B, C, &c., he says "The first four of them are in Dr. & son's edition." 3dly. In the notes to Lib. 7. he quotes about a f and a half from Dr. Simson, distinguishing the citation by inverted of mas. 4thly. Professor Playfair acknowledges that "The Definition a plane is given from Dr. Simson, Euclid's being liable to the objections with his definition of a straight line." 5thly. Speaking Prop. 7. Lib. 1. the Professor says, "Dr. Simson has very prop changed the enunciation of this proposition, &c. &c. His enuncial with very little variation [the Professor means addition], is retain here." In this way there are, altogether, about 7 pages ascribed with

sent the whole of Euclid. We know that various plaus sble reasons may be assigned for this omission. But, while we admit that the first six with the eleventh and twelfth books, contain nearly all the essential propositions in elementary geometry, and, therefore, more than all that is needed in many superficial courses of education; we cannot grant that the 7th, 8th, 9th, and 10th books, which include the theory of rational and irrational numbers, and are intimately connected with Arithmetic and Algebra, should be uniformly and constantly omitted. In our apprehension, the whole of Euclid's elements is worth preserving; and we regret excessively that Dr. Simson did not go through all the fifteen books with the same learning, science, and

ent candour and liberality to Dr. Simson, the quotations being very crupulously made, and obviously implying that nothing else is borrowed fom Dr. Simson. Who could imagine, after observing all this care n the reference of a page or two here and there to Simson as the riter, that more than a hundred and sixty pages had been transcribed om him without the slightest shadow of an acknowledgment? Such owever is the fact. Professor Playfair speaks often of Euclid, and metimes of Simson; and it is pleasing to observe what respectful inguage his feelings of gratitude and policy suggest. It was prudent appear sensible of obligations to Euclid himself; and natural for an onourable man, like Professor Playfair, to express something of the eneration he must have felt for an Editor of Euclid, to whom he and the second he must have left for all Editor of Edito anges made in Simson's edition. Thus, in the Preface, "I have deted from Euclid altogether," p. viii. Again, p. 384, " The reason for parting from Euclid, &c." And, p. 391, "This remark was published Dr. Simson, in the first edition of his Euclid." A candid mind, wever, will naturally reflect, that excessive sensibility often wears appearance of inattention; that the warmest gratitude, as well as deepest grief, is usually dumb; and that, consequently, after borrow-Dr. Simson's language, and manner, his diagrams, capitals, commas, ons, and periods, his elegancies and inelegancies, it is probable the fessor felt quite overcome with the weight of his obligations, and pted the sentiment of his poetical countryman, the sa

Come, then, expressive silence, muse his praise!

ib. I

int,

1100

nvert

osition

r. Si

ted co

eaking

uncian

with 4

must observe that this probability would appear still greater, if it eld be true that the Professor, so far from being guilty of the sest plagiarism, feels an extreme antipathy to the crime, and has misled by it into a very illiberal, unmanly, and unjust insinuation ast Professor Vince, in the Edinburgh Review, No. 29. p. 10.

lur

us,

sub

Ana are

boo

drila

Iraw

ifth

ixth

umr

ortic

f th

e's

V OI

ois,

roble

eru

st p

msel

asch

etrica

thes

oks,

the

ded

npora

prin

ci, P

ticul ollor

Ghe

tess e 7

ity

be

acumen, which he displayed so admirably in the execution of his limited task. Professor Leslie's opinion, however, is widely different from ours. He seems to consider the Elements of Euclid as unworthy of preservation at all: in his estimation they constitute, altogether, a very incomplete, and certainly not "a finished production." "That admirable work," he observes, "was composed at the period when geometry was making its most rapid advances, and new prospects were opening on every side. No wonder that its structure should now seem loose and defective." Having thus candidly furnished us with his reason for making new book, the author proceeds in the following terms.

"In adapting it [the Elements] to the actual state of the science I have therefore endeavoured carefully to retain the spirit of the original nal, but have sought to enlarge the basis, and to dispose the account mulated materials into a regular and more compact system. By sin plifying the order of arrangement, I hope to have considerably smooths the toil of the student."

When Mr. Leslie proposes ' to enlarge the basis' of En clid's 'structure', he of course intends to do it without taking the structure down; a process which would be foun rather difficult, we believe, in England, though it may be easy enough to an Edinburgh professor. Mr. Leslie he lown probably some peculiar sleight of hand method for pe forming this operation; for he talks of 'retaining the spin of 'a structure', and this spirit of a structure he afterwar informs us is 'a contexture,' in which 'we may disco the influence of that mysticism which 'prevailed in the Platonic school.' Of this sort of leger-de-main, it seems, I clid was deplorably ignorant; not being able, as we les from Professor Leslie, ' to grasp the subject with a steat ters and comprehensive hold:' and, in fact, we think it to a Sp questionable whether grasping structures, contextures, spirits, was an employment in which he was at all qui fied to succeed. We shall proceed, however, to descri the general nature of Mr. Leslie's work, and then ske a few of its particular excellences, before we enlargement the elegance of his style. This is no every day task: we trust 'the labour of condensing the scattered materia (as Mr. Leslie expresses it,) 'will be duly estimated those, who, taking delight in such speculations, are admitted at once to a rich and varied repast.' From comparison of this sentence, and one already quoted, learn, en passant, that 'materials,' when 'accumulat form a spirited structure, but when 'condensed' a variet past. It will be expedient to describe, first, the plan acc

ing to which these 'materials' are put together. The volume now laid before the public, as Professor Leslie informs us, is 'the first of a projected course of Mathematics.' The subjects treated of, are Geometry, including Geometrical Analysis, and Trigonometry. The Elements of Geometry are comprehended in six books. Of these the first two books relate principally to parallel lines, triangles, and quadilaterals; the third and fourth to circles, lines, and figures, frawn in and about them, their dependent angles, &c.; the ifth to the doctrine of ratios and proportions; and the ixth to similar figures, their division by parallel lines, a ummary of the chief propositions that depend upon proortionality, and one or two that relate to the rectification the circle. Such are the constituents of Professor Lese's Elements; by which it will be seen that the geomey of solids is omitted altogether. The author, instead of is, has given an Appendix, in two parts; in which several roblems in plane geometry are constructed, some by means of eruler only, others solely by means of the compasses. In the st portion of this Appendix, Professor Leslie acknowledges mself indebted to a scarce tract of Schooten; in the second to ascheroni's "Geometrie du Compas", an ingenious work, well own to most of our mathematical readers. The treatise on Geoetrical Analysis is comprized in three books. The first these is somewhat miscellaneous. In the second and third oks, Mr. Leslie professes to have given "all that relates the ancient analysis in its most improved state, as extended by the labours of Apollonius and his illustrious conporaries." Of course, these books develope the general principles, constructions, and operations, known to geother under the terms Data, Section of a Ratio, Section a Space, Determinate Section, Inclinations, Tangencies, it is, Porisms, and Isoperimeters. When discussing these que ticulars, the author is necessarily indebted to Euclid, escriptionius, and Pappus, among the ancients; as well as She Ghetaldus, Alexander Anderson, Halley, Dr. Simson, and fessor Playfair, among the moderns. The Elements of the Trigonometers are included in Cl. propositions. skille Trigonometry are included in 21 propositions, occube demonstrated independently of Solid Geometry. The From k is preceded by two tables, one, 'of correspondence teed, these Books of Geometry and the Elements of Euclided, the Elements of Euclided Elements the other, 'of correspondence of the Elements of Eumulat varies with these Books of Geometry.' From either of these it will be seen, that Mr. Leslie has departed greatly n aco

SU

it

hav

the

thr

pos

fini

state

mag

told

tern

its

spea

befor

may

cal

right

ution

ind wheth

pla

eterr

four

his,

o aff

nd a

he sl

ed i

imso

in b

rw

at t

Deak

poin

COL

ma

from the logical order of the Alexandrian Geometer. In our opinion, his deviations are often extremely wanton and ill judged. They give the work, however, an air of no. velty, which it would not otherwise possess; and in this quality, indeed, it is by no means deficient. The matter, of course, is in the main very well known; but the manner is frequently original: and, if the artificer may be judged of from his workmanship, Professor Leslie is a most

extraordinary and non-descript character.

There is great variety in this gentleman's demonstrations. They are sometimes good, sometimes indifferent, sometimes bad; sometimes strict, sometimes loose. The good and legitimate demonstrations are the scarcest. We select one which we really think the best in the book. It relates to a very simple proposition, demonstrated about 30 years ago by Reuben Burrow in his Diary; and since then admitted into some of our elementary books. But to demonstrate even a very simple theorem more simply than any other person, is a species of merit which ought not to be withholden from Mr. Leslie on the present occasion. The proposition and demonstration are extracted below: the diagram will be readily supplied by our scientific readers.

The difference between two sides of a triangle is less than the thin

side.

Let the side AC be greater than AB, and from it cut off a part Al equal to AB; the remainder EC is less than the third side BC. In the two sides AB and BC are together greater than AC (1. 16) take away the equal lines AB and AE, and there remains BC great than EC; or EC is less than BC.

We now proceed to the second part of our task, which is, to select a few particular excellences. Upon these we shanot be able to descant so largely as Professor Leslie might expect; but there are other publications in which there are little doubt of his receiving all the consolation the friendship can bestow. That we may deliver our remains in some sort of order, we shall follow that adopted by the are

thor himself: beginning with the 'Principles.'

Here we have the following definition of a straight line or, rather, of the idea of a straight line: 'The unifor description of a line which through its whole extent stretch in the same direction gives the idea of a straight line.' Whis here meant by stretching, and what by direction? Whave some notion of stretching a cord; but none, certain of stretching a geometrical line. And as to direction, believe Mr. Leslie would find some difficulty in defining without mentioning a right line in his definition. Direction

cessarily implies rectilineality, and therefore cannot with any sort of propriety be included in the definition of a right line. 'Two points,' we are informed, 'ascertain the position of a straight line.' 'But to determine the position of a plane, it requires three points.' Our mathematical Professor should have added, that these three points must not be in one and the same right line. This is an essential condition: neither

three nor twenty times three points would determine the position of a plane if they were all in one right line.

We are not told, either in the 'Principles' or in the 'Definitions', what a point, or what an angle is. It is merely stated that we derive the idea 'of divergence or angular magnitude, from revolving motion.' Presently after, we are told, that ' the straight lines which contain an angle are termed its sides, and their point of origin or intersection, is vertex? All this is very confused. Geometers often speak of the sides of a triangle; but none that we are aware of, before Mr. Leslie, ever talked of the sides of an angle. We may expect to hear next of the dimensions of a geometrical point. But Mr. Leslie proceeds to tell us, that 'a right angle is the fourth part of an entire circuit or revowion; meaning, perhaps, to be more simple, accurate, and satisfactory, than all his predecessors. Yet we doubt whether even Mr. Leslie would venture to say, that when planet had described a right angle in its elliptical orbit, referring the angle to the focus, it had passed through the fourth part of an entire circuit or revolution.' After all his, Mr. Leslie takes care, in his corresponding note (p. 455), affirm that Euclid's definition of an angle 'is obscure and altogether defective; and that 'it is curious to observe he shifts to which the author of the Elements is hence obli-ight ed to have recourse.' This is a discovery which neither imson, Playfair, nor any other of our modern geometers in boast of. But to Mr. Leslie it was urgently necessary; when he comes to prove,—(Prop. 26. of his 2nd Book,) at the angle in a semicircle is a right angle, he actually peaks of the angle made by two segments of a right line at point in that line! Well may he censure that definition, cording to which "A plane rectilineal angle is the intention of two straight lines to one another, which meet gether, but are not in the same straight line:" and well ay he remark that the conception of an angle is considered. e most difficult in the whole compass of Geometry. by he remark that ' the conception of an angle is one of But we must proceed to another definition connected 1110

th this difficult subject of angles. 'The retro-flected vergence of the two sides, or the defect of the angle from

ion

four right angles, is named a reverse angle.' Let not the unsophisticated reader complain of this as unintelligible; but pause and bend to what follows:— 'In the definition of reverse angle, I find that I have been anticipated by Stevin of Bruges. It is satisfactory to have the counternance of such respectable authority'. It is: even in support of affectation carried to the extreme of absurdity. Richard Erothers had 'the countenance' of 'the respectable authority' of Mr. Halhed.

Between the 10th definition relating to a reverse angle and the 11th definition, Mr. Leslie, who manfully spurns a the trammels of order with which poor Euclid was hampered, presses into 'the opening formed by the regression of AB through the points D and E,' and there demonstrates theorem, namely the 15th of Euclid's 1st book. Happy for those, whose comprehension of Euclid's theorem does not be pend upon their understanding Mr. Leslie's phraseology!

de

he

ts

mod

ota

Dp1

tse

lle

ieve

ith

eon

In

les

It

Def. 12. 'Straight lines which have no inclination are parallel.' This is incomplete: straight lines may have some inclination, viz. to a third line, and yet be parallel to on another. Every mathematician will be aware that this is no

hyper-criticism.

Def. 24. ' Of quadrilateral figures, a square has one rig angle, and all its sides equal.' Mr. Leslie gives this, be cause he thinks the common definition, which describes square "as having all its angles right", errs by excess. I adds, 'The original Greek, and even the Latin version, employing the general terms og floy winor, and rectangulum, de terously avoided that objection.' Mr. L. might have avoid it with equal dexterity, by simply calling 'a square a quare a drilateral, equilateral, rectangular figure.' One grand of ject of a definition is not accomplished, unless what is tended by it is put out of all doubt: this is not effected Mr. L.; for when he says in so pointed a way that 'asqu has one right angle, and all its sides equal, a novice my hesitate till he could inquire whether it had only one n angle; - and thus the justly boasted precision and certain of geometry would be sacrificed.

We have only to remark farther, with respect to the denitions in the first book, that Mr. Leslie, contrary to usage of all preceding geometers, makes a trapezium al general term than a trapezoid; and errs in confining

term diagonal to quadrilaterals.

The first proposition is a problem, viz. 'To construction triangle, of which three sides are given.' The proof of truth of the construction, is defective and unsatisfacture.

for it is not shewn that the circles employed must necessarily intersect: nor indeed could it be shewn, independently of other propositions. A similar observation applies with equal force to the second proposition, which affirms that 'Two triangles are equal, which have all the sides of the one equal to the corresponding sides of the other.' Euclid would have added "each to each:" but this old fashioned geometer, as Mr. L. remarks, 'had recourse to' sad 'shifts' for the sake of perspicuity and accuracy. Our Professor has no such scruples: but, very adroitly failing in the demonstration of his first two propositions, by necessary consequence leaves all that follows undemonstrated. Such is the way by which the mathematician of the north strengthens the 'loose and defective' 'structure' of Euclid. And we may add, too, that he at the same time 'enlarges the basis,' by taking away he foundations altogether! 'The science of Geometry,' he tells us, 'owes its perfection to the extreme simplicity of ts basis, and derives no visible advantage from the artificial mode of its construction. The axioms are now rejected as totally useless, and rather apt to produce obscurity!' In our ppinion, to take away the axioms, is to remove 'the basis' tself, a measure, of which the extreme simplicity is by no neans a sufficient recommendation: and as to the reason lledged, that this foundation is 'totally useless,' we beeve he will find it no easy task to prove his assertion, ithout admitting either that nothing, or that every thing, in n, eometry, is self-evident.—

In Prop. 4. Mr. L. constitutes a series of isosceles trianles having all their vertices at one common point: he adds,
It is evident that this addition is without limit, and that
the angle so produced may continue to swell, and its expandng side make repeated revolutions." We have heard of
the swellings of vanity, the swelling of the sea, and the swellings
an angle! Surely the extravagances of affectation are

without limit.'

Oid

da

d o

15

ted

squ

e mi

le Il

he d

y to

ning

nstru

oof of

isfacto

Prop. 9. The demonstration is defective. It ought also to we been supposed that AB exceeds CB, and the reductio ad

surdum employed.

Prop. 10. is demonstrated by means of a proposition of sich we have already spoken, as included in the definitions. Ther, the enunciation of the proposition includes a deficion. This, we think, is not very consistent with what L. terms 'the Scholastic arrangements.' But what man genius can endure the shackles of good sense and angenius? He furnishes similar specimens at pages 27, and 216.

Prop. 11. 'Any two angles of a triangle are together less than two right angles.' The demonstration of this simple proposition is incomplete. And in the demonstration of Prop. 12, 'Every triangle has two acute angles,' there is a

petitio principii.

Prop. 18. 'The shortest line that can be drawn between two given points, is a straight line.' This simple proposition, which might without any hesitation have been included in the axioms, had not Mr. L. thought them 'rather apt to produce obscurity,' is here demonstrated very circuitous. It by the consideration of limits. Yet Mr. L. himself says in the notes (p. 454.) that 'a straight line has two radical properties, which are distinctly marked in different languages. It holds the same undeviating course,—and it traces the short est distance between its extreme points.' Why, then, does this author attempt to demonstrate a property, which, according to his own account is essentially included in its definition, and even in its name?

Prop. 20. The demonstration is defective. It ought to be shewn that the point C falls below AC. Other loose, defective or unsatisfactory demonstrations, in this book, are those of

ngle

reat

Pr

8. W

ppo

lem

gan

Th

8501

at

tri

de

Prop. 23, 24, and 25.

Book. II. Def. 2. The altitude of a triangle is a perpendicular let fall from its vertex upon the extension of its base. According to this definition, an acute angled triangle has a altitude. Exact geometrician!

Def. 4. 'The complements of rhomboids about the diagona of a rhomboid, annexed to either of them, forms what is term

ed a gnomon.' Accurate grammarian!

These 'complements,' as we should also observe, are n

where defined. Consummate logician!

Prop. 3. The demonstration is incomplete. The indirect reasoning ought to include the case when BE falls above BD Prop. 4. The deduction in the corollary might be demonstrated clearly in a fourth part of the compass.

In this book, the valuable property of a triangle, demonstrate by Simson at p. 128 of his Select Exercises, ought certainly

have been included.

Book III. Def. 4. 'A straight line is said to be inflected in circle, when it terminates at the circumference.' According to this definition, a chord of a circle is—a straight line held for this, we submit, is the meaning of the word 'inflected The same intrepid defiance of custom and etymology, of curs also at pages 192, and 207, where the Professor speak of 'straight lines inflected'; but we have sought in vain for instance of the corresponding phrase, 'curved lines straight ened.'

prop. 7. The proof is not sufficiently general: for DE may be drawn from some point in AB, when the demonstration will not hold—at least, without an additional diagram.

Prop. 8. The third figure destroys the generality of the

corollary.

irec

Stra

rate

alyt

l in

ordin

henn

ected

spea

for

ruly

Prop. 13. In the diagram, FC should be less than CG. Prop. 23. In the enunciation of this theorem, Professor Leslie has tacitly admitted Euclid's definition of an angle, which notwithstanding, at p. 455, he calls 'obscure and lefective.'

Prop. 26 we have noticed above.

Prop. 28. 'The perpendicular at the extremity of a diameter is a tangent to the circle.' In the demonstration of this heorem, the Professor has brought a certain line of the name of HBG into a sad predicament; it seems to have been connectined in a sort of lock-up-house, denominated a circle, and we retold it 'would again meet the circumference before it effected its escape!' The Professor appears to us to have been laced pretty much in the same predicament; having no hance, in the mathematical world at least, of effecting his scape from obscurity except by meeting derision.

Book IV. Prop. 12. In the construction of this problem, angles are said to be "adjacent," which are removed at the reatest possible distance from each other. But this, we supose, is conformable to "the Scholastic arrangements."

Prop. 13. might be demonstrated more simply. In Prop. 8. we read of 'accrescent triangles,' of which we cannot be apposed to know any thing, having never been introduced to mem before. Perhaps it is these triangles that have the swell-gangles.

The construction of Prop. 20, is described with the Prossor's usual felicity of phrase; the student is told to result the equal triangles about the vertex O.' This repetition

triangles is not at all necessary.

Book. V. in Mr. Leslie's Elements, like Book V in Euclid's, devoted to the subject of Ratios and Proportions. But a Alexandrian is prodigiously excelled by the Scotsman, point of accuracy and perspicuity. His account of promion may serve for an example:

Quantities viewed in pairs, may be considered as having a similar comsition, if the corresponding terms of each pair contain its measure equal-Two pairs of quantities of a similar composition, being thus formed the same distinct aggregations of their elementary parts, constitute a pro-

t is actually of this sort of explication, that our authors, the view which I have given of the nature of proportion in the fifth book, will, I flatter myself, be found to re-

move the chief difficulties attending that important sub.

ect!

Props. 1 and 2 are, 'The product of a number into the sum or difference of two numbers, is equal to the sum or difference of its products into those numbers:' and, 'The product which arises from the continued multiplication of any numbers, is the same, in whatever order that operation be performed.' In demonstrating these, our geometer 'view' the 'units contained in'  $\Lambda$ , B, C, &c. as known: but, suppose  $A = \sqrt{2}$ ,  $B = \sqrt[3]{3}$ ,  $C = \sqrt[4]{5}$ , &c. how will this kind of proof hold? Certainly, not at all. Thus, then, the 'basis' (a adopt Mr. Leslie's most favourite term) giving way, the 6th proposition, and all the dependent part of 'the structure,' fall into ruins. So much for our author's method of 'removing the chief difficulties,' and chasing away the 'obscurity that confessedly pervades the fifth book of Euclid!'

We must now proceed, as Mr. Leslie says, 'to survey the contours of the distant amphitheatre' in the sixth book. Here the 1st proposition, that 'parallels cut diverging lines propositionally,' is not strictly demonstrated; for the Professor afterms that 'incommensurables may be expressed numerically to any required degree of precision;' an assertion, which we

ucc

011

xtr

ve

acte

rave

10%

ou

ual

orm

eat

ica P

need not be at any pains to refute.

Prop. 11. 'A straight line which bisects, either internally of externally, the vertical angle of a triangle, will divide it base into segments, internal or external, that are proportional to the adjacent sides of the triangle.' This proposition, though true enough when Anglicised, is, we believe, perfectly unintelligible as enunciated by this desperate adventurer after originality. In the demonstration, we are told expressly that equal angles are straight lines! The assertion, that 'the constant difference AC between' certain 'distances must always bear a sensible relation to them,' is not true.

Prop. 17. Cor. 1. It should be added, that AC: CB:: AB BD. For this is a very useful property, flowing naturals

from the theorem.

externally, &c.' Had not our author been possessed with sort of nervous antipathy to established phrases, he would have

said, To divide a straight line or its continuation.

Prop. 35. 'The arcs of a circle are proportional to the angles which they subtend at the centre.' In demonstration this theorem, Mr. Leslie supposes one of the angles Ald divided by continual bisections till an angle ACa is obtained 'less' than any assignable angle:' he then applies this infinitely.

esimal of an angle ACa, or one equal to it BCb, repeatedly, by its multiplication it fills up the other angle BCD searer than by any possible difference,' and thus infers the equality of the ratios of the arcs AB and BD, and the angles ACB, BCD. Now, we have to remark respecting this trange kind of demonstration, that if the angle ACa (which we will call I) is less than any assignable angle, no multiple of it can be equal to a finite angle BCD or C: for suppose n times I to be equal to the known angle C, then is I equal

 $0 \frac{C}{m}$ , a known quantity, and not less than any assignable

ngle. This demonstration is therefore contradictory and elf-destructive; and, consequently, all the propositions that lepend upon it are undemonstrated.

Prop. 39. 'The circumference of a circle is proportional to the diameter, and its arcs to the square of that diameter.'

The truth of this proposition is inferred from the inscription of polygons of 6, 12, 24, &c. sides in the circle. 'Prothe perimeters of the series of polygons which emerge in afformation and ally approximate to the curvilineal oundary which forms their ultimate limit. Wherefore this atteme term, or the circumference, &c. All this is excession. wely loose and ungeometrical. Does approximation chayou acterize identity? If the writer of this article were to avel from London to Edinburgh he would 'continually aproximate to' the author of this book, but the bought wild not therefore become the Professor, nor could the ualities of the latter be with any fairness ascribed to the ormer. If the reasoning of Auchimentary ormer. If the reasoning of Archimedes in his celebrated tha eatise, Kuxhou Milenous, had not been far more strict and loical, it would scarcely have survived its author.

Prop. 38. Here Mr. Leslie gives a concise approximation the quadrature of the circle, which he says 'was first ublished, at Padua, in the year 1668, by my illustrious redecessor James Gregory.' It should be observed, howver, that the corollary to the proposition from whence this uadrature is made to flow, is not James Gregory's; and other, that it is inadequately demonstrated, being effected

the loose manner adopted in Prop. 35.

COD

war

AB

urall

lly o vith d han

S AC otaine

infin

In the three books on Geometrical Analysis our Professor to the trupulously preserves consistency of character, being as train loose and defective' as in other parts of his work: but as e have not room to augment our selections under this head, emust only say, generally, that in many instances he omits e synthesis, which necessarily renders his solutions incomplete; and that in many others what he presents as de monstrations, are, in fact, no demonstrations at all.

Let us now pass to the Elements of Plane Trigonometry, science, it seems, which depends upon 'that universal stand ard derived from the partition of a circuit!' We leave ou ingenious readers to decypher this riddle; and proceed to observe, that, out of five definitions, the 1st and 4th an expressed in defective language Farther, our author says p. 406, an 'arc may, by a simple extension of analogy, be conceived to comprehend innumerable other arcs.' This simple extension of analogy we certainly do not understand but we think we understand that the learned author write ungrammatically, when he adds, in the same page, 'the sin or tangent of an arc a ARE the same with the sine or tangen

fim

elf :

lge

eigh

hot 1

ath

e n

dis

0.46

The

lite

uity.

nds

e ne

ot l

ums

wing

rofes

e pa

one

erat In T

at t

55101

gui

nds i

is a

etry

nie

of any arc n. 3600 + a."

Of the five first propositions, the demonstrations are ever one incomplete and unsatisfactory. Thus, in the first pro position, which affirms that 'the rectangle under the radio and the sine of the sum or difference of two arcs, is equa to the sum or difference of the rectangles under their alter nate sines and cosines,' it is not enough to demonstrate truth when the sum of the arcs A and B is less than a qua drant; it is, likewise, necessary to establish it, not only whe A+B, but when either A or B, or both, exceeds a quadrant. I Legendre, a mathematician to whom Mr. Leslie refers, has de monstrated this theorem in its utmost generality at p. 34 of his "Elemens de Geometrie et Trigonometrie," 5th ed tion. The demonstrations of the succeeding four propos tions in Mr. Leslie's book are defective for like reasons.

Prop. 10 has a corollary, the object of which is not specified and can hardly be guessed. The table of solutions at Pro 10, does not contain the simplest rule in the case when the three sides of a plane triangle are given to find an al gle: and, in the well known ambiguous case, Professor Le lie does not point out the limits between which the amb

guity exists.

We have thus endeavoured to display the merits of the author, as a mathematician, in a proper light. We might have added greatly to the preceding selection of the Professor beauties; but, as our patience began to tire, we could it but sympathize with our readers, who will doubtless be mo than satisfied with the materials of this second course of rich and varied repast.

We now proceed, lastly, to establish incontrovertibly, proofs drawn from the volume before us, the truth of nourite notion with this author (as well as with ourselves,\*)

Abstract pursuits will be found nowise unfriendly to the cultivation of egant literature, or incompatible with the most vigorous play of ima-

No, truly. Who but a man with the most vigorous play imagination would ever think of a 'retardation' which 'italf gradually relaxes'? (p. 427.)—or would ever speak of lgebra, the cultivation of which was carried to a great eight by Diophantus nearly 2000 years ago, as 'having not up prematurely?'—or would preface an explanation of athematical truths with such rhetoric as this?—'To view e matter in its true light, we should endeavour previously dispel that mist which has so long obscured our vision.'

0.463.)

The ingenious description of what Theory does, is, in ite of its elegance, exceptionable on the ground of ambiity. 'Theory', says the brisk Professor, p. xii. ' soon desnds to guide and assist the operations of practice;' but neglects to inform us whence she came, or whither she goes. ot being accustomed to geometrical tropes and conunums, it is with the greatest diffidence we hazard the folwing guess at the meaning of this eloquent and facetious rofessor; Theory is a lady who usually employs herself in e parlour, but sometimes goes down into the kitchen, which one or two stories lower, in order to 'guide and assist the erations of Practice' her cook.—Si quid novisti rectius, &c. In panegyrizing Geometry itself, our readers will conclude at the Professor is more than commonly brilliant and imssioned. 'That science,' he says, 'is supereminently disand is account, is its inconsistency. We well know that Geot for this very reason we disapprove of its being accommied by evidence however luminous; a good band of mu-would be much more appropriate, and much better suited the martial spirit of the times. The Professor will not solve sight of this hint, we hope, when he gratifies the pubwith an improved edition; the alteration could not injure mole sense of the passage, and would certainly give it a of originality.

It is the nature of mathematical science,' says Mr. L. 'to advance continual progression,' [and by this, we presume, it is 'supereminent-

See Ecl. Rev. Vol. V. p. 154.

ly distinguished' from all other sciences.] 'Each step carries it to others still higher. As its domain swells on the sight, new relations are described, and the more distant objects seem gradually to approximate. But while science thus enlarges its bounds, it likewise tends uniformly to simplicity and concentration,' [which are, manifestly, quite compatible.] 'The discoveries of one age are, perhaps in the next, melted down into the mass of elementary truths.' p. xi.

Exquisite! Let us review the inimitable graces of this passage. Progression—step—others much higher—domain—swell—simplicity—concentration — discoveries—melted down—mass.—Surely the Professor must have observed what a fascinating charm a little sweet confusion imparts to the cheek of beauty or he never could have thought of employing it to adon the language of philosophy. Who, that is ambitious to acquire a most vigorous play of imagination, would not study geometry under such a Professor!

It would be inexcusable not to add a few more examples of

the Professor's eloquence.

Geometry takes a more limited view, and selecting only the general property of magnitude, it can, from the extreme simplicity of its bain safely pursue the most lengthened train of investigation, and arrive with perfect certainty at the remotest conclusions.' (p. 1.)

As the Professor justly thinks it enough to give us the toric, without also giving us understanding, we must refer or curious readers to that gentleman himself, if they wish know what he means by the basis of a view, or how entreme simplicity of basis affords any peculiar facility for a king long journies in pursuit of investigations or for arriving at remote conclusions.

He [the student] is thus placed on a commanding eminence [the hill of Proportion]; from which he views the bearings of the objection, surveys the contours of the distant amphitheatre, and descries the fading verge of a boundless horizon, [that is, the verge of a hour

without verge.] p. 175.

The founders of mathematical learning among the Greeks were general tinctured with a portion [query, potion?] of mysticism, in mitted from Pythagoras, and cherished in the school of Plato. [Wh was cherished, the tincture or the portion?] By the later Platonists, in flourished in the Museum of Alexandria [being there preserved, we paume, like lizards and serpents in the late Levercan Museum], it regarded as a pure intellectual science, far sublimed above the ground material CONTACT. Such metaphysics could not impair the soliding the superstructure [or perhaps 'the spirit of the structure'], but contribute to perpetuate some mistaken conceptions and to give a wind turn to philosophical speculations. It is full time to restore the solve of reason.' (p. 453.)

It is, indeed. We shall, therefore, exhibit no more

this ridiculous frothy verbiage. Professor Leslie is certainly not destined to become a fine writer; nor, without much
reformation, a very accurate geometer. We would earnestly
exhort him, if he wishes to obtain a character with the judicious part of the public, as a philosopher, a scholar, or a
man of taste, before he prepares any thing else for the press
to adopt the prudent resolution of Biron in Love's Labour
Lost:—

"Taffata phrases, silken terms precise,

"" Three-pil'd hyperboles, spruce affectation,

" Figures pedantical; these summer flies

" Have blown me full of maggot ostentation :

" I do forswear them."

L Of

sh t

r ex

or t

ivin

ce [t

ies t

honz

m, ua

W

ists, W

, we p

olidity but

se sobra

more

Religious Inquisitions of Italy, Spain, and Portugal; from their Origin to the Conquest of Spain. By Joseph Lavallée, Chief of the 5th Division of the Grand Chancery of the Legion of Honour, Perpetual Secretary of the Philotechnic Society of Paris, &c. &c. &c. 2 Vols. 8vo. pp. 815. Paris, printed. 1809. Price II. 4s. Deconchy, Dulau, &c. London.

THE heads of the Romish hierarchy, aware that the fabric of their power, however awful and imposing its spect, was weak at the foundation, have at all times been mile in devices to conceal its defects, and stop the proress of its dilapidations. In addition to the measures hich they were compelled to adopt by temporary exigenes, they planned and instituted various permanent estaishments, calculated at once to extend, and perpetuate, eir authority. Of these, the Inquisition and the Company Jesus were the most important. Last in the order of ne, the Jesuits were the first to fall before the rising int of mankind; and the Holy Office, after maintaining long struggle against universal abhorrence, has now elded an easy victory to the invader of her last retreat. be author of the present work has turned this incident to od account, and we have been alternately amused and aged at the surfeiting doses of adulation with which he s supplied the ravenous appetite of his master.

The Inquisition is no more; humanity owes this benefit to the atest of heroes... The Hero whose genius has vanquished this foe to nee... This blessing was reserved for the days of glory and heroism; was decreed that Castile should receive it from the hand of Napo-n... The august kings Joseph Napoleon and Joachim Napoleon scating knowledge, benefits, and new life... Napoleon with a single of has avenged Heaven, Monarchs and Men, he has relieved the h, let the earth bless him... Spaniards! when your children read Not. VI.

your history, all your public places will be covered with the statues of the hero who has given you vengeance and liberty!!! The benefactor of the world, &c. &c. !!!'

Now, although we are disposed to give the 'illustrious' Napoleon and the 'scarce less illustrious' Joseph, every praise that we can in conscience afford, yet it cannot have escaped the observation even of the servile Lavallée, that the destruction of the Inquisition was a deed much less of humanity than of policy. It is, however, a matter of considerable doubt whether this desirable event would have taken place, so soon at least, under the old government of Spain; and cordially as we execrate the artifices which prepared, and the cruelty that has nearly effected the Spanish revolution, we accept with gratitude, even from the hand of 'the greatest of heroes,' the suppression of the Religion

Houses and the Bloody Tribunal.

Lavallée states himself to have been engaged in this un dertaking long before the conquest of Spain. Of this w have some doubt; the work has every appearance of hasty compilation, and we are inclined to suspect that i was intended principally, if not entirely, as a vehicle for the praises of Bonaparte. In the first volume, the author has traced the origin and progress of the Inquisition, an concludes this portion of the work with an 'exposé of i general principles, its organization, its laws, its intern reconomy, its secret tortures, and its public ceremonies He has employed the second volume in exhibiting 'th constancy of its progress, the uniformity of its principle the unity of its object, in Asia and America, as well in Europe, not by reasoning, but by facts, by the history of a crowd of wretches dragged before its tribunals.' W shall give a slight sketch of the first part, and indulge ou selves in a few observations on the second.

By

lou

sion

the

abit

sess

and

evi

he

er

ch

The martyrdom of Arnold of Brescia, who had suffere at the stake for exposing the errors and vices of the R mish priesthood, instead of intimidating his disciples,

'produced an opposite effect; it increased their aversion to Ron and from the public and secret preaching of their new religious tions, sprang the Waldenses and Albigenses... Almost all the committee between the Garonne and the right bank of the Rhone, we peopled by these new sectaries... History uniformly represents them good citizens, as faithful subjects, as excellent parents, as rigid observed their word, unassuming, laborious, and practising the precepts of Gospel.'

Adrian IVth passed sentence upon Arnold; and Innor Illrd published a crusade against the Albigenses, the direct

of which was intrusted to the bigotry and barbarity of Dominic. He eagerly engaged in the task, and 'let slip' the blood hounds of papal vengeance on the states of the Counts of Toulouse, Beziers, Foix, and Comminges. Simon de Montfort, the general of the crusaders, is thus spiritedly pourtrayed in the present work.

In times nearer to our own, Simon de Montfort would have been a associate for those famous adventurers, whose rapacity, avarice, bararity, and thirst of blood, filled up the measure of the miseries of he New World. His proportions were gigantic, his strength equal to is commanding stature, and his vigorous constitution enabled him to ncounter the greatest fatigues, and the most distressing privations. He ad learnt the trade of war in the Syrian crusades. In these distant peditions, the results of blind and irrational devotion, he had acquid that tendency to fanaticism which the legates of the Pope deemed dispensable in the commander of their army. Born in Camps, living an age when ignorance was the portion of the great, fighting was s only science, massacre his most gratifying relaxation, and plunder s inexhaustible resource. He held the feelings of compassion in connpt. No chivalric virtue redeemed his ferocity; and his courage was e savage insensibility of a chief of banditti. Deaf to the voice of his oath...such was de Montfort. He was charged with the mests of Heaven, because he had all the vices of the impious; and it is sty intolerance opened the path of clarate him to be a size of the impious; and estly intolerance opened the path of glory to him who in better days me ald have disgraced the scaffold.'

By treachery or force, de Montfort was every where victhe expiration of that term, Raymond, assisted by the stone abitants, made a desperate and successful effort to reasons bessess himself of Toulouse. De Montfort again besieged and fell in an attempt to carry it by storm. The war ever continued, and finally terminated in the dispersion the Albigenses, and the establishment of the Inquisition er the superintendance of the order of St. Dominic. as at first instituted for the conversion of heretics by ching and instruction, and its members were, besides, ged to observe the conduct of bishops, magistrates, and ces towards the enemies of the church of Rome. But powers were rapidly enlarged. Its chiefs were permit-

Rom

ious I COUD one,

them observ

ts of t

nno

direct

grant indulgences, to publish crusades, to excite sovereigns dons to war, to put themselves at the head of armies, and to them wherever there were heretics to be exterminated. From ncrease of power, it will be inferred that the end of the war of lbigenses was not the dawn of peace for the south of France; on the contrary, the beginning of days of misery; their per-

by that of the scaffold... It is worthy of remark, that France, destined to be the only great Catholic state, where the Inquisition was denied admittance, was, by a singular fatality, the first prey of inquisitors.'

The final establishment of this pest in France, was prevented by the firmness and address of the illustrious l'Hopital, seconded by Marillac, archbishop of Vienne, and Mont.

luc, bishop of Valence.

Italy, after a faint struggle, yielded to the tyranny of the Inquisition. A general insurrection of the people prevented its extension to the kingdom of Naples. The Dog and Senate long resisted the repeated and urgent intreate of several successive Popes, for its introduction into the Venetian states; and, when at last they gave a reluctan consent, it was clogged with so many stipulations and restrictions, and the conduct of the Inquisitors was observe with such jealous and vexatious vigilance, that the concession never produced any considerable benefit to the Roma see.

In Germany, every effort to introduce it was unsucces

ful.

Of the different cities into which the popes had, as it were stealth, insinuated their inquisitors; some did not give them time make good their standing, and drove them out as soon as they can in; others abstained from open resistance, but refused to have any tercourse with them, forbad the merchants to furnish them with necessaries of life, and thus compelled them to withdraw. In other the first acts of the Inquisitors were the signals of universal communition, they were assailed with threats and curses, and surrounded we dangers, and a concern for their own safety forced them to depart ever.'

gno

tten

nish

gn.

The Inquisition was established in Spain by the an tion of Torquemada, and protected by the policy of The first, a Dominican, had in view, for his or the religious government of Spain; and, for himself, as in the sacred coilege. Ximenes, a Cordelier, a man of and commanding genins, of unbounded ambition, and always very scrapulous in the means by which he atchie his purposes, considered the Inquisition as a ready and venient instrument for controlling the turbulence of great, and the insolence and licentiousness of the mo Of its ravages in this unhappy country-where the D of Medina Celi enumerated among their privileges the standard bearer to the Holy Office, and the Marqu of Poilar claimed the envied title of its hereditary po for in the kingdom of Toledo-we need not speak. ting tight the some to a

are universally known. In our own country, their history is among the first elements of education; and the feelings of horror and indignation which they excite, are some of the earliest and most sacred impulses of the heart. Every feature of this establishment is marked with infernal characters: its object, -to maintain a system of superstition, tyranny, and priestcraft: its means, -- the destruction of social confidence, the suppression of all freedom, the perpetration of all barbarities; its spirit, -proud, sullen, subtle, remorseless; implacably vindictive, unsparingly cruel, immeasurably ambitious. Such was the Inquisition in the countries where its genuine nature had room to display itself. With what triumph do we say, Such was the Inquisition!

In Spain, two corporations were instituted, the Cruciata and the Hermandad, which were singularly serviceable in promoting the views, and confirming the despotism, of the Inquisition. The first included the higher clergy, and nearly the nobility of Spain; they were united for the purposes of preserving the purity of the catholic faith, and of exerising a system of general espionage in subservience to the

loly Office.

of

nd

hie

ndo

of

1110

D

The Hermandad was a body of runners or spies constantly upon he alert, not only in the cities, but also in the towns and villages. There was no hamlet so small as to be exempt from these miscreants. They were an army of men collected together by idleness and want. gnorant victims of that same Inquisition whose fatal influence had anibilated every species of industry, they served for a few maravedis the tepmother who had shut them out from the means of gaining an hoorable livelihood.

The emperor Charles Vth met with such resistance, in tempting to impose this terrible tribunal upon his Fleish subjects, as soon induced him to abandon the de-

'After him, Philip IInd, more crafty, sanguinary, and obstinate, resued the project of compelling these same countries to submit to the aquisition, without any restriction, and in all its horror. He was deaf the just and energetic remonstrances of the states. He insisted upon redience, and revolt broke out. Thus the interest of the Inquisition, bose birth had formerly cost so much blood to Italy and France, provoked a war of more than 60 years duration, convulsed prope, devoured myriads, rendered the Spaniards universally hated, smembered one of the most jowerful monarchies of the age, and prived its king of the richest portion of his dominions.

It is remarkable that the first establishment of the Inquiion, in Portugal, was effected by a fictitious Bull. It swered the end, however, as well as if it had been genuine; nor was its design even frustrated by its detection. It was in this country, that its influence became perhaps the most powerful and destructive. Even the enormities it committed in Spain, were, if possible, exceeded in Portugal. Heretics, and fancied heretics, were persecuted with unrelenting ferocity. The native cruelty of the human heart, the degrading efficacy of superstition, and the unspeakable horrors of intolerance, were here exhibited at once in the hideous spectacle—of a deluded populace urged on by a sanguinary priesthood to conciliate the favour of Him who delighteth in mercy, by investing him with the attributes of

uni

nd

ity

CO

natio

asio

b th

is,

een

ave

uct

iew

rate

ubli

de

Moloch, and offering human victims at his feet.

The second of these volumes consists, principally, of anec. dotes relating to the conduct of the Inquisition towards individuals. Few of these are authenticated, many are suspicious, and some of them we do not hesitate to pronounce fabrications. Of the latter description, is the story of Don Estevan and his slave Zamora. As a romance, it might pass very well; the situations are striking, and the escapes an managed to the breadth of a hair. But if the Sieur La vallée expected us to receive it as matter of history, he should have produced some better authority than his own Indeed he paints so well, that he is disposed to paint much too freely. We were highly interested by his detail of the secret artifices and arguments employed by Torquemada to influence the mind of Isabella in favour of the Inquisition but, unfortunately, as he has no where informed us to whom the Dominican indiscreetly communicated this curious infor mation which it was of so much importance for him to conceal, and as it does not appear that his royal peniter ever detected his hypocrisy, we cannot pretend to have bee greatly edified. There is, besides, especially in the first volume, a good deal of irrelevant matter. It is surely re fining too far, to discover the Inquisition in the destruction of the Templars, and the infamous persecution of Urbal Grandier, in the secret Tribunal, and the judicial murde of the Maid of Orleans. Most of the instances here cited were measures of state policy; and such as were the re sult of a bigoted and intolerant spirit, and therefore re ferable in part to a common source with the Inquisition were obviously unconnected with it, -originating only in the exigency or the rancour of the moment, and issuing on in the destruction of their immediate victims.

M. L. seems to be but ill informed with respect to handle glish literature; for he very gravely gives his reasons had believing the celebrated romance of Gaudentio di Luca

generally attributed to the illustrious Bishop of Cloyne, not be legitimate history; and concludes with the opinion, the result of 'an attentive reading,' that 'it appears to be the work of some hidden friend to the Inquisition, and that it was much less his object to give a true account of it, than to justify and extenuate its character. Romances are universally read, and the author, by adopting that form,

best fulfilled his intention.'-Poor Berkley!

On the whole, the work is superficial, but spirited, romantic, and amusing. It contains scarcely any thing that has not been long familiar to most classes of readers, and s deficient in many particulars of considerable importance. One of these we will mention, than which nothing can nore strongly paint the wanton cruelty of the Inquisition. nd its baneful influence upon the human mind. We take from the interesting miscellanies of Michael Geddes. When he victim is fastened to the stake, and the confessor has eft him, 'the cry is, let the dogs' beards, let the dogs' beards e made; which is done by thrusting flaming furzes fasened to a long pole against their faces. And this inhumaity is commonly continued until their faces are burnt to coal, and is always accompanied with such loud acclaations of joy as are not to be heard upon any other ocsion; a bull-fight or a farce being dull entertainments the using of a professed heretick thus inhumanly.' Of is, however, there is nothing in Lavallée. Geddes had een chaplain to the English Factory at Lisbon; and we ave obtained a clearer insight into the character and conect of the Inquisition from his short tract, intitled, 'A lew of the Court of Inquisition in Portugal; with a list of e Prisoners that came forth in an Act of the Faith celeated at Lisbon, in the year 1682,' than from any other iblication on the subject, that we have ever seen. He has ded a narrative, obtained by himself from a Jew, who d been a considerable time in the dungeons of the Holy fice, had passed through the regular process of examition and torture, and been liberated on forced confession. be imagination of this man was so powerfully affected by scenes he had witnessed, and the sufferings he had un-Igone, that he was firmly convinced, that although Inquisin th s 'appeared to be men, yet in reality they were not so, on were bands of fiends sent from hell to assume the pe of men, and all that belonged to them, except their vels.'-The Tracts, historical and argumentative, of Gedare chiefly on the subject of Popery, and are among Licci most interesting collections we are acquainted with; they complete, as far as we know, in seven octavo volumes.

The documents, dated October, 1808, with which Laval. lée concludes his second volume, are the most important part of the work. If authentic, they prove that the spirit, the principles, and the energy of the Inquisition had suffered little from the general progress of knowledge among man kind, and would yield only to the stroke of an equally arbitrary and unprincipled, but mightier and more intelligent power.

21

117

to

pay

ula

n (

re r

W

er i

h ti

tron

enc

n th

1211 ou!

iitt

M. Lavallée has acknowledged his obligations to Limborch: but has by no means superseded the necessity of referencem that laborious and authentic writer. He who would skim the subject, may amuse himself with the lively Frenchman; but to master it, he must study the somewhat tedious, but in structive pages of the Dutch professor .- A translation of these

volumes into English is stated to be in the press.

Art. III. The high Price of Bullion a Proof of the Depreciation of Ban Notes. By David Ricardo. Svo. pp. 52. Price 2s. Murray. 1810.

THE subject of this tract has recently assumed unus importance, from the phanomena which our circulate has of late exhibited. The almost total disappearance specie; the want even of small ceins to pay the balance one pound notes in petty payments; a degree of difficulty an inconvenience from the want of change, such as the business this nation has very seldom suffered; a premium to no trifin amount actually though clandestinely paid for guineas e changed against bank notes; the market price of gold pe manently, and to a very unusual degree, above the mint price affording thereby an effectual temptation to the melting don of the gold coin; and a permanently unfavourable state exchange with foreign countries; these are all circumstance the existence of which cannot be denied, and which indicat as it is equally impossible to deny, something unusually di eased in the habit of the agent of our currency. ire

This pamphlet is an attempt, and by no means a feeble of to trace the malady to its cause. That cause, the author in gines, is not far to seek. It is to be found in the state of paper currency. That currency has fallen into disease by cess. It labours under the effects of a plethora. It has be dieted so intemperately by its guardians and supporters, that is swelled and bloated into feebleness; not only into a co parative unfitness for its proper functions, but into a dang

of apoplexy, or of bursting a blood vessel.

But this unwise regimen, this mistake or misconduct on part of those on whom the treatment of the patient depend is no usual effect. Many were the years during which steady temperance, enjoined by necessity, suffered

prudence of the new one, have not been exhibited in the order we have seen—the wisdom first, the folly afterwards as an improvement upon it—without adequate cause. While it was the interest of these who were the masters of the choice to tread in the road of prudence, they steadily adhered to it; when by very strong means it was rendered their interest to travel in a different road, no wonder they have been drawn aside.

The fact, according to our author, is this. The Bank of England, as long as she continued subject to the obligation of paying her paper in cash on demand, was so immediately visited with loss the moment her paper became excessive, and by its excess depreciated, that she had always a prompt monitor and an effectual motive to avoid so mischievous a proceeding: The Bank of England, however, the moment she became exempt from the obligation of paying her paper in cash on lemand, became, by the same operation, exempt from loss by the depreciation of her notes, and was rendered a gainer by the interest of all the notes which she could put into circulation: The Bank, accordingly, has forced into circulation in excessive quantity of notes; and the effects are such as the witness, and dread.

When the case, indeed, is temperately considered, the woner is, not that the consequences of a superabundant paper,
the the circumstances thus described, have at last and pretty
trongly manifested themselves, but that they have not and
fill more strongly manifested themselves long ago. The pruence and self-restraint of the managers of the Bank (for
here has been no other safe-guard), deserves to be ranked
the number of phænomena. It has been infinitely greater
tan was to be expected; infinitely beyond what in wisdom
ould have been calculated upon, by those who rashly comitted the nation's credit to chances of so doubtful and so

Every competent judge, we apprehend, will be ready to oft resume, that the reasonings, by which Mr. Ricardo has understen to prove that the high price of bullion is owing to the result (though not in every case visible) depreciation of Bank that the best sufficiently bear out the conclusion.

No one who has successfully studied this subject, which deed is by no means a very obvious and easy one, can have by doubt that the price of the precious metals approximates.

No one who has successfully studied this subject, which deed is by no means a very obvious and easy one, can have by doubt that the price of the precious metals approximates an equality all over the world: neither can he doubt that e peculiar portion of those metals, which is contained in e circulating medium of each country, follows in this respect blaws of the rest. But, if these two points be allowed, the

rend

rich i

matter of course. It is only necessary for the inquirer to become sufficiently familiar with the meaning of the terms that must be employed in expressing the propositions, to see

the consequence, as it were, intuitively.

If gold and silver are, all the world over, nearly of the same value, and can never in any particular place for any length of time be forced much above or below the general level, gold and silver in England must always be very nearly of the same value as gold and silver in other countries. If gold and silver in coin be always of nearly the same value as gold and silver in bullion, the gold and silver in the English coins can never differ in value, except in a very slight degree, from gold and silver in bullion. From this it demonstrably follows, that the mint price of gold and silver, i. e. the value of gold and silver in the coins, can never differ but in a very slight degree from the market price, i. e. the value in bullion, of these metals. Hence it follows, that the great difference, as it is called, between the market price and the mint price of the precious metals, is an apparent difference only, and that apprecious metals, is an apparent difference only, and that apparent

pearance a delusive one.

As comprehensive propositions expressed in comprehensive terms are not easily followed in their applications by unexercised minds, it may be useful to trace the phænomena be longing to a particular case. Suppose that an ounce of pur gold is at the mint of England manufactured into 3l. 17s. 1014 of coins. The ounce of gold in the coins, according to the principle above spoken of as established beyond the reach dispute, viz. the perpetual and close approximation between the value of gold in coin and the value of gold in bullion cannot be inferior in value to an ounce in bullion. It wil naturally and necessarily be somewhat superior to it; as being put in a shape of somewhat greater utility. The natural state of the market or bullion price of gold is therefore, to the amount, which is but a small one, inferior to the mint price or the value of the metal in coins. This is not only the m tural, but the necessary state; no departure from it, but suc a momentary one as has not left time to the strong natura tendency to redress it, can ever take place; every thing els that presents itself as a departure, is appearance merely. price of silver in bars, and the price of silver in spoons, ise actly analagous to the price of gold in bars, and the price it in coins, -only that the expense of the workmanship nece sary to bring silver into the shape of spoons is much greate proportionally, than that necessary to bring gold into the shall of coins; yet who ever heard of a market price and a spo price of silver?

Suc

trin

ice

arke

inag

n,)
rab

Such is the case while 3l. 17s. 101d in coins actually contains, as it professes to contain, an ounce of gold. Suppose, lowever, that 3l. 17s. 101d in coins comes by wearing or any other means to contain less than an ounce of gold, while it professes notwithstanding to contain an ounce. It is evilent, now, that 31. 17s. 101d in coins is not worth an ounce of old in bullion. More in the market will be demanded for an unce of gold in bullion than 3l. 17s. 101d in coins. The parket price of gold will thus, in name and appearance, rise hove the mint price; but so far is this from being in reality he case, that it is solely because the value of the gold in he coins and the value in the bullion are the same, that a diference in the market price becomes necessary to correspond ith the diminished quantity of the metals which remains in ne coins. Nor is there any thing peculiar in the instance of ne gold purchase. The coins have declined, in their power f purchasing, to exactly the same degree, with regard to all her commodities. A quarter of wheat cannot be purchased r the same number of pounds, shillings, and pence. It apears to have risen in price. The market price, if we may so beak, has risen above the mint price. But this is not the ct. The price of the wheat, by supposition, has remainthe same. It is purchased for the same quantity of gold; ta greater number of coins must be counted out, before that pantity is afforded.

Such, then, are the principles on which the market price of depends; such is its necessary coincidence with the trinsic value of the circulating medium. It remains to be quired, what explanation these principles afford of the high ice of bullion which has lately been witnessed in the London arket. The coins have by wearing, (there having been no inage, except of the smaller pieces, since the Bank restrica,) become lighter than the standard, and that to no inconsitable degree. This accounts for a rise in the market price gold to a correspondent amount. But the market price of Id has risen greatly above that amount. What is the cause which this enhancement should be traced? Mr. Ricardo wers, the excessive issues of paper by the Bank of Engd. The amount of notes forced into circulation by the nk of England, under protection of the Restriction Act, teeds the amount of pounds sterling in gold and silver that ald circulate in the country, were gold and silver the sole dium of circulation. The consequence is, a depreciation those notes; and, as the notes are in fact the circulating dium, a depreciation of that medium. A rise of the marprice of gold to a correspondent amount, is the event in before; no mero, insister, can be doughte

atura

els Th

reate

shal

5000

matter of course. It is only necessary for the inquirer to become sufficiently familiar with the meaning of the terms that must be employed in expressing the propositions, to see

the consequence, as it were, intuitively.

If gold and silver are, all the world over, nearly of the same value, and can never in any particular place for any length of time be forced much above or below the general level, gold and silver in England must always be very nearly of the same value as gold and silver in other countries. If gold and silver in coin be always of nearly the same value as gold and silver in bullion, the gold and silver in the English coins can never differ in value, except in a very slight degree, from gold and silver in bullion. From this it demonstrably follows, that the mint price of gold and silver, i. e. the value of gold and silver in the coins, can never differ but in a very slight degree from the market price, i. e. the value in bullion, of these metals. Hence it follows, that the great difference, as it is called, between the market price and the mint price of the precious metals, is an apparent difference only, and that apprecious metals, is an apparent difference only, and that apparent

pearance a delusive one.

As comprehensive propositions expressed in comprehensive terms are not easily followed in their applications by unexercised minds, it may be useful to trace the phænomena belonging to a particular case. Suppose that an ounce of pure gold is at the mint of England manufactured into 3l. 17s. 1014 of coins. The ounce of gold in the coins, according to the principle above spoken of as established beyond the reach dispute, viz. the perpetual and close approximation between the value of gold in coin and the value of gold in bullion cannot be inferior in value to an ounce in bullion. It wil naturally and necessarily be somewhat superior to it; as being put in a shape of somewhat greater utility. The natural state of the market or bullion price of gold is therefore, to the amount, which is but a small one, inferior to the mint price or the value of the metal in coins. This is not only the m tural, but the necessary state; no departure from it, but suc a momentary one as has not left time to the strong natur tendency to redress it, can ever take place; every thing els that presents itself as a departure, is appearance merely. The price of silver in bars, and the price of silver in spoons, ise actly analagous to the price of gold in bars, and the price it in coins, -only that the expense of the workmanship nece sary to bring silver into the shape of spoons is much greate proportionally, than that necessary to bring gold into the sha of coins; yet who ever heard of a market price and a sp price of silver?

Such is the case while 31. 17s. 101d in coins actually contains, as it professes to contain, an ounce of gold. Suppose, however, that 3l. 17s. 101d in coins comes by wearing or any other means to contain less than an ounce of gold, while it still professes notwithstanding to contain an ounce. It is evident, now, that 31. 17s. 101d in coins is not worth an ounce of gold in bullion. More in the market will be demanded for an ounce of gold in bullion than 31. 17s. 101d in coins. The market price of gold will thus, in name and appearance, rise shove the mint price; but so far is this from being in reality he case, that it is solely because the value of the gold in he coins and the value in the bullion are the same, that a diference in the market price becomes necessary to correspond with the diminished quantity of the metals which remains in he coins. Nor is there any thing peculiar in the instance of he gold purchase. The coins have declined, in their power f purchasing, to exactly the same degree, with regard to all ther commodities. A quarter of wheat cannot be purchased or the same number of pounds, shillings, and pence. It apears to have risen in price. The market price, if we may so beak, has risen above the mint price. But this is not the ct. The price of the wheat, by supposition, has remainthe same. It is purchased for the same quantity of gold; uta greater number of coins must be counted out, before that be untity is afforded.

Such then, are the principles on which the market price of

Such, then, are the principles on which the market price of old depends; such is its necessary coincidence with the trinsic value of the circulating medium. It remains to be quired, what explanation these principles afford of the high ace of bullion which has lately been witnessed in the London trket. The coins have by wearing, (there having been no inage, except of the smaller pieces, since the Bank restricn,) become lighter than the standard, and that to no inconsitable degree. This accounts for a rise in the market price gold to a correspondent amount. But the market price of d has risen greatly above that amount. What is the cause which this enhancement should be traced? Mr. Ricardo d. The amount of notes forced into circulation by the sk of England, under protection of the Restriction Act, seeds the amount of pounds sterling in gold and silver that ald circulate in the country, were gold and silver the sole dium of circulation. The consequence is, a depreciation those notes; and, as the notes are in fact the circulating hum, a depreciation of that medium. A rise of the marprice of gold to a correspondent amount, is the event in valgrot ad may , religible , dem on ', ago,

Old the

ho

veer

llion

Wil

being

stati

o thi

price

he na

t suc

ng els Th

price |

greate

ne shal

a spo

It must be owned that the first appearance of these facts affords, itself, pretty strong indirect evidence of the truth of the inference. Here is an undeniable excess in the market price of gold; the state of the coins accounts for only part of it; the other part remains wholly unaccounted for; the market price of gold measures the intrinsic value of the circulation; nothing else has operated upon the intrinsic value of that circulation, unless it be the bank notes; the bank notes, therefore, it must be, which have raised the market price of gold; there is nothing else to which the effect can be ascribed, lt will be owned, we think, that the links in this chain seen tolerably sound.

The direct proof, however, consists in exploring the operation of an excess of paper; in shewing the effects, which he its own laws it must of necessity produce, upon the phænoment of circulation. If an excess of paper can be shewn to operate with infallible certainty in the depreciation of whatever currency is subjected to its effects, the demonstration will hardle be considered as less than complete. That such is its opera-

uo

ilve

hat

hat

ind

ne:

nod

stl

ire s

le a

nto

ank

heu

ece.

hus

tion, is what Mr. Ricardo undertakes to prove.

In the effects of a paper currency, though there is in realing nothing peculiarly difficult or hidden to the inquirer, yet, the points being multiplied, there is of course a degree of introcy in the statement; and considerable pains are requisited keep the estimating energy of the mind justly fixed upon a of them while drawing the inferences which they afford.

The fundamental proposition is -A defined quantity of c culating medium, and a defined quantity of circulating oper tions to be performed by it, being supposed in any count actually to exist, any addition made to the quantity of circ lating medium, while no addition is made to the quantity operations to be performed by it, must produce a correspondent dent rise in the price of commodities, or, which is the sal thing in other words, a correspondent depreciation in the " dium itself. The fictitious case, put by Mr. Hume, affor perhaps the easiest view of the evidence on which this prof Suppose that England is closed round by h Bacon's wall of brass, and its people absolutely shut out in intercourse with all other human creatures. Suppose that circulation is wholly performed by gold and silver, and the quantity of those metals which it has long possessed fixed at a certain rate the price of commodities. Suppose that, in this settled state of circulation and prices, the wi money of the country is in one night doubled, every finding in the morning two guineas, and so on, in his custo instead of one. Here no more commodities exist than exist before; no more, therefore, can be bought. But every

has twice as much money to buy them with; twice as much money will actually be given for them. A correspondent rise of prices, a correspondent depreciation of money, is the inevitable consequence.

Such is the law of an augmented currency; it remains to apply that law to the case modified by the operation of paper,

and of such a paper as now circulates in England.

It has already been intimated, that a bank, subject to the obligation of paying her notes in specie, cannot, morally speaking, augment the currency. If she did, depreciation would be the immediate consequence. But as gold and silver in countries which have any intercourse with one another must be always of nearly the same value, the effects which are immediately produced very soon redress the mischief. The market price of gold rises; guineas become in demand; and the

notes of the bank are rapidly carried to her for gold.

The links of this chain of consequences are these. By the agmentation of the currency, the value of the gold and liver in the coins, and with it the value of all the gold and silrefinthe country, is reduced somewhat below its usual standard, hat is, somewhat below its value in other countries. But, in hat case, the bullion merchants are enabled to make a profit y exporting it. The exportation raises the price of bullion, nd the value of the metal both in bullion and in the coins. hexchange for bank notes, however, or in exchange for commodities which are rated in bank notes, the coins, so long of is the force of their name prevails over that of their nature, et sunk to the level of the currency. They are more valuant ple as bullion than as specie. They are of course converted no mobilion. Whoever wants bullion purchases a quantity of po hein, and then melts them down. The bank, in this course, ecciving for her notes at their first issue only at the rate of the epreciated currency, and being obliged to pay for them at the bullion price of gold and silver, loses upon every note has issued and retired, at the rate of the whole depreciation which the currency has undergone. This drain soon the eaches her the necessity of issuing fewer notes; and, where

hat he number is thus reduced to the due proportion, the deprehat he number is thus reduced to the due proportion, the deprehat hat he number is thus reduced to the due proportion, the deprehat hat he number is thus reduced to the due proportion, the deprehat hat he number is thus reduced to the due proportion, the deprehat hat he number is thus reduced to the due proportion, the deprehat hat he number is thus reduced to the due proportion, the deprehat hat he number is thus reduced to the due proportion, the deprehat hat he number is thus reduced to the due proportion, the deprehat hat he number is thus reduced to the due proportion, the deprehat hat he number is thus reduced to the due proportion, the deprehat hat he number is thus reduced to the due proportion, the deprehat hat he number is thus reduced to the due proportion, the deprehat hat he number is thus reduced to the due proportion, the deprehat hat he number is thus reduced to the due proportion, the deprehat hat he number is thus reduced to the due proportion, the deprehat hat he number is thus reduced to the due proportion, the deprehat hat he number is thus reduced to the due proportion, the deprehat hat he number is thus reduced to the due proportion, the deprehat hat he number is thus reduced to the due proportion of the legislature, from the obligation of
hat he number is thus reduced to the due proportion of the legislature, from the obligation of
hat he number is thus reduced to the legislature, from the obligation of aying her notes in cash. It is evident that, by this means, a ank is effectually secured from the loss and inconvenience, tendant upon the payment of her notes when the notes are preciated by excess. By exemption from this loss and in-

exis

ery

mp

requ

prov

D

ibit

oun

noth

ie p

e gi

aswe

orth

anat e pr

hat :

ven

ways

lerec

y on

sbot

elea

ies a

that fact,

the

de in

tain.

rold

re th

1 to

h,

unt

ts

convenience, she is left to reap a clear profit from keeping the currency in excess. All the other effects of that excess remain at the same time as before. The market price of bullion rises, to maintain its level with other countries; specie being melted, and not supplied, gradually disappears: the coins during a certain time, and within a certain limit of depreciation, continue to exchange, as often as they appear, for bank notes, or for commodities rated in bank notes; gradually, however, a premium comes to be offered for them; and, at last, a fixed difference between paper and specie is the

undisguised result.

This interval, between the moment when the market price of gold rises above the mint price, and the time when an avowed discount upon bank notes takes place, is the circumstance on which the difficulties which puzzle most understand. ings seem to depend. It seems to be supposed, that, if the theory be correct, the moment the price of gold stands above the rate of the currency, the gold coins ought to exchange for their value as bullion, and a discount to appear immediately upon bank notes. The fact however is, that, the theory being true, it can be shewn that the effects could no take place in any other than the order which we actually with ness. It is not all at once that the depreciation takes place and that it rises to the pitch at which it exhibits any sensible as, effects. When it begins to affect the state of the bullion market, the event is known to but a few. Even when the price of bullion is so high, and has so long been high, as t create much speculation in the mercantile and philosophica circles, very little is known about the circumstances among the great body of the people. They continue to be governed by appearances which have long governed them. The powere a guinea in the market they have long identified, in their con ceptions, with the power of a one pound note and a shilling and till some very direct instigation prompts them to mark difference, it is not natural for them to apprehend one Among those who know and possess more in this country there prevails a very laudable delicacy with regard to the subject. It is felt as invidious, to appear among the foremos in demanding the acknowledgement of a difference between paper and specie. It is felt as sure to expose a man to odiou ph imputations, on the part of all those who from selfish or other views assume the patronage of the existing system. From these causes it happens, that the occasional guineas, which man in the course of his ordinary affairs receives on the leve of bank notes, he without much concern parts with onth same terms. It is only by those men whose interest it is collect them in large masses, that the difference is felt as a

aportant one, and advantage taken of it accordingly. It equires either a long time or a very material depreciation, povided credit and confidence are unimpaired, to take affairs of this natural course.

During this time the somewhat curious phænomenon is exbited, of guineas passing in the ordinary circulation of the ountry at less than their real value, partly from the ignorance f the people, and partly from the difficulty in ordinary cases f getting them exchanged on other terms. And this is nother source of difficulty to the common inquirer. Is not e paper currency, he says, held up by the guineas; not eguineas depreciated by the paper? To this a silencing swer might quickly be rendered, viz. that the guinea is orth more as bullion than as coin. But this is not an exanatory answer,—the sort of answer that on occasions like epresent it is always desirable to afford. If we consider hat it is that furnishes the standard of appreciation in the ven state of any mixed currency, we shall find that it is ways and necessarily the least valuable of the articles conered as legal tender. When there are two commodities, y one of which a man is at liberty to pay for the article he sbought, he is sure to give that which he considers as worth least. As this is done by every man and upon all occans, it is with the least valuable of the articles that commoles are habitually bought; and it is in the denominations that article, by consequence, that they are rated. This, fact, as is acutely remarked by Mr. Ricardo, is the cause the practical change from silver to gold which has been de in the standard of appreciation in the currency of Great told was fixed at the mint, silver rose in price considerably to pay in gold; and thus gold became the standard. to pay in gold; and thus gold became the standard.

h, of course, is the case with bank notes, as soon as the lunt of currency becomes excessive. Bank notes are the valuable commodity; in bank notes every man's payth the sare chiefly made; and bank notes thus become the land dard of appreciation.

The mong the objections which are made to this account of phænomena recently exhibited by the circulation of this limit phænomena recently exhibited by the circulation of this land land the state of our circulating medium, the counter has been exposed. The support of our troops abroad

leve has been exposed. The support of our troops abroad equired the exportation of large sums in gold and silver. present state of our intercourse with the continent subus to a continued process of exhaustion. The smugglers.

n th

as a

bring us the goods of the continent, but are unable to carry back any thing except gold and silver. Such is the represent ation we have the mortification to hear, from persons of information and thought; such is the representation we hear from people in the situations of power, on which the redress of the evil depends. It is taken by them, and given to others, as complete solution of the problem.

It involves a total misapprehension, with respect both

s re

th

ling

e the

obj

aber

casio

vity

the s

lated ich

cert

nee

n deg

the fact and the principle.

What is it that we are told, and with so much triumph from places of the highest authority, on the evidence of the custom house itself, with regard to the fact? Why, this that during the last year our exports, even to the confine of Europe, have been unusually great. They have probable exceeded the usual proportion to the imports. There is been, therefore, no unusual drain of gold and silver to the continent. What has been sent in pay to the army in Spand Portugal, has been compensated in the usual way by a portation of goods. The men in place ought at least to have been above mistake and delusion, with regard to the facts realized under their own ey and in their own hands. With regard to mistake and delusion the groundwork of principle, experience has taught to feel no surprise, at any thing which happens in that quant

Among men of information and thought, however, a conclusion so fairly confronted by the most obvious principles truly matter of surprise. They tell us that an unusual quantity of gold and silver has, by extraordinary causes, be carried out of Great Britain. The price of gold has accordingly risen. An unusual quantity of gold has been can into other countries. The price of it in those countries accordingly, have fallen. In these circumstances it must the interest of the bullion merchant, to import gold it the interest of the bullion merchant, to import gold it trary to the fact. The price of bullion is above the price gold at the mint, because gold, it is said, is bought up to sent abroad.

But another point stands no less formidably opposed to hypothesis of these speculators. Granting that we have subjected to a demand for gold, which in this county raised its price, this enhancement must have attended portion of our gold which is in the shape of coin, no effectually than that portion which is in the shape of bull It is our guineas which the smugglers take; and in fact guineas will infallibly travel abroad, either in their ownshor in the easily assumed one of bullion, as often as a profit be made by the journey. If the precious metals in coin

s is demonstrated, on the naked footing of commodities bought and sold for their value,—the metal in the coins, and he metal not in the coins, must always be on a level. Acording to this principle, which it remains for those gentlenen, if they dislike it, to controvert, no scarcity of gold, no phancement of its value, can ever occasion a difference beween the market and mint price of bullion. Whenever that akes place, it must take place from an alteration in the value f the currency; from something which has made its intrinsic, o longer correspondent with its nominal value. The exression of the market price of bullion, is the expression of s real value. The mint price is, with regard to the currency, that case a mere name\*.

Nothing more is necessary, than a complete understanding of the ing principles here asserted, in order to account for the various minute pearances, which the state of the market in its momentary fluctuations wexhibit. When these appearances vary from the theory, they are most quently deceptious; and it would only require an accurate acquaintance th the facts, to see that they are actually the same with the facts on which theory is founded;—that it is only by some essential circumstance, which objector is not aware of, that he is led erroneously to question it. Let beory, however, be ever so just and incontrovertible, the appearances aberration from it will occasionally be real. The general law will casionally be modified by extraneous circumstances. The principle of wity, which keeps the planets in their orbit, and the effects of which the sublime movements of the heavenly bodies can be so accurately calated, is subject to material variation from the friction of the thin air ich we breathe. In the price of gold, after the same manner, there certain limited fluctuations, from day to day, or from week to week, ich are altogether dependent upon accidents, and which neither can need be reduced to any theory. Those states only, that are to a cerdegree fixed, can depend upon fixed causes.

ISU

ht

arte

CCO

carr

s mu

ust;

ld i

15 C

price

ip to

dto

n fact wn sh

profit

o coin

It is evident, that a minute and inconsiderable portion of any great s of commodities, when that portion is put into a very particular shape, applied to very particular purposes, may be acted upon by circumices, and subject to limited variations, which do not apply to the rest he species. This is to an eminent degree the case with regard to coins, compared with gold and silver in the mass. If these chey the general within a certain sphere, it is all that the truth of the theory requires. antify of guineas in the English market, as to occasion a considerable dinded by of opinion. Some inquirers assert, that, though a premium upon
no f two or three shillings a piece existed some weeks ago, it has now
that the exist. Others maintain, that the same premium which exists to the present hour. Without waiting to examine into the it will suffice to shew, that, as the ground of any objection to the rine here laid down, it is totally immaterial.

he price of gold bullion, at a medium, has for some very considerable stood at 41. 10s. per ounce; allowance being made for temporary Or AI

Such is the nature of the evidence which the state of the bullion market affords in this interesting case. The argument which is drawn from the state of the exchange with foreign

The fluctuations above have been more con. fluctuations above or below. siderable than those below. In July last the price of gold was as high as 41. 13s. per ounce. At 41. 10s. per ounce, it is mathematically certain that the guinea, which contains 5 dwt. 8 gr. is intrinsically worth 11. 4s.; as nothing can render it intrinsically worth less than the gold which it contains. But, as the traffic in guineas is an illegal traffic and subjects the man who engages in it both to odium and danger, and extra profit must be made by it. Accordingly, the price of guineas, a far as we have been able to ascertain, has never exceeded 11. 2s. 6d. of 17. 3s. If an occasional alarm is excited, such as may have been excited by the late arrest proclaimed in all the newspapers of a certain individual for a transaction of this description, it may, for a time at least make the danger appear greater than such a profit is sufficient to over balance. To particularize any more circumstances by which the prid of guineas may be affected, would be altogether useless. It is well know that every smuggling business is an irregular business; and that the price of all commodities which depend upon a smuggling business, or upon business which is in a very small number of hands, is subject to flucti tions for which the particular nature of the business must account.

Ca

ter

By

Ke

S

pro

rth

cess

1 CO

titut

pu

nted

is t

vet

ence

res

ist s

hir

SU

The money withdrawn from circulation to defray abroad the expensed the expeditions we have lately sent out, the point to which, as beingt broadest and most glaring, the eyes of most people are turned,-do not appear in fact to have had any effect upon the prices in question. Il truth is, that those very individuals, who had access to know the circu stances, declare that the changes were not, in point of time at least, or nected with the drains for the expeditions. But why need we talk of e peditions, when it is seen that the price of bullion accounts, and moreth accounts, for all the enhancement of guineas which has appeared? what other point of our history has it been found, that the paying for t expeditions abroad produced a premium upon our guineas? Such ist result of experience. - What is the testimony of the principles? That such rise is the natural effect of such payment. Deduct a part from mass of your currency, the effect is to raise the value of the wholelower the price of commodities; but not to raise one part of the curre more than the rest. Its effect is to make gold dear, but equally dearly in bullion and in coin. Observe, too, that just as much as it is itself to make gold dear at home, it is its effect to make gold cheap abro The gold, therefore, comes immediately back again. But in the pro case this is so far from being the fact, that the fact is directly the revel Gold is cheap in England, cheaper than it is on the continent. A profit the fore has long been, and still is, to be made, by buying gold in Eng and selling it on the continent. As the effect (to whatever extent) sending gold abroad to pay for the expeditions, must have been to and late this state of things, it is intuitively certain that this state of the as far as it exists, is produced, not by the expeditions, but in s them. religio a validadant gales. Others

Milner on the Inhabitants and Antiquities of Ireland. 227

countries is similar, and hardly less conclusive. The reader who wishes to see it developed, should resort to Mr. Ricardo, on whose speculations we must here close our remarks. We rannot part with him, however, till he has received our thanks or the pleasure he has afforded us. A man of so much acgurate information on this difficult subject, and with such rell exercised powers of thought, presenting himself to us rom the haunts of business, and we are sorry to add of ignoance, has encouraged us to entertain new hopes. He has aspired us with something approaching to a persuasion, that the lapse of a considerable number of years, when the ading men of business are called before committees of the gislature to afford their evidence on points touching the gislation of commerce, they will not deliver nonsense, nich at once exposes us to the mischief of bad laws, and the ridicule of all the enlightened people of Europe.

th. IV. An Inquiry into certain Vulgar Opinions concerning the Catholic Inhabitants and Antiquities of Ireland: In a Series of Letters from thence, addressed to a Protestant Gentleman in England. By the Rev. J. Milner, D. D. F. S. A. &c. 8vo. pp. 278. Price 6s. Keating, Brown and Co. 1808.

8 an expedient for quelling our displeasure against the age we live in, by ascertaining some of its wonderful provements, it lately occurred to us that it would be th while to examine what length of time intelligent men, o in former periods visited other countries, used to judge tessary, in order to form, and reduce to writing, a just comprehensive estimate of the character, condition, and titutions of a people they had never seen before. For purpose, we made out a list of the most distinguished nted reporters of the character and state of foreign nais that we could refer to or recollect. If we have been et too indolent to accomplish this examination, that inence has partly resulted from our perfect confidence that result would evince, on the part of the present times, ist superiority in the power of intellectual despatch. We e scores of active inquisitive contemporaries in this arry, any one of whom, putting on a good pair of boots suit of clothes, shall return to the starting place bethey are half worn out, if the weather has been good; ng in the interval accomplished a satisfactory survey of extensive country and nation, and put it all in writing. er in letters to some friend at home, or in a valuable mulation of sheets eager to escape from the portfolio to And, to increase our wonder and delight at such play of modern ability, the writer shall probably begin

urren ear bo

ts en

abro

reven

ofit the

Engl

\$ 2

by telling us that the nation he is going to survey is an eminently remarkable nation, deserving the most careful investigation into its character, institutions, and antiquities.

CC

eri

er

וחס

ita

one ffi

erse

01 or

nali esce

ben edi

dge

m

Dr. Milner had long witnessed in England the continual obloquy cast on the Irish nation, especially the Roman Catholic part of it. He was satisfied in his own mind of the falsehood of the unfavourable representations; but not quin satisfied with his means of vindicating a people, for whom. he could not testify from personal observation. At last, h said to himself, "It is no such long journey from this m residence to the shore of the Irish channel, and from theno to the capital of Ireland is but the voyage of a few hour What hinders me then from forming my own opinion upon these matters, by observing and conversing with the Iris Catholics in their own country?" p. 4. A pressing invitation arriving about the same time from a friend in Ireland, de cided his resolution; and he set off. The work of wri ting began the instant he was 'safely lodged upon one the quays of the Liffey;' the first letter was dated Dubli June 27; the concluding letter is dated Waterford, Augu 5; and, in the space between these two dates, he forme a complete estimate of the Irish national character; asce tained to the utmost nicety the state of knowledge and morals among all classes, especially the scattered peasantn took satisfactory evidence of the general, if we should a rather say universal, excellence and high attainments of t Catholic clergy; speculated learnedly on the design of t most remarkable ancient edifices; disserted most learned on the ecclesiastical antiquities of Ireland, and the histo of St. Patrick, refuting at vast length archbishop Usher a Dr. Ledwich; and decided on a very great number of of subjects, any one of which, in the state of the human culties in former times, might have detained what was the called a man of sense a longer space than it took learned author to dispose of them all. The writer making such marvellous despatch, it would ill become the real not to catch some little of the manner, and be very qui in deciding whether it is likely that much accurate a certain information will be afforded by such an authorit information, we mean, concerning the actual state of pe people; for as to the historical investigation about St. trick and the nature of the earliest religious institutions Ireland, it is probable nothing can appear to the per of this country of more trifling importance. And best this is a sort of matter about which the Doctor had the smallest need to take the trouble of going to Irela it was most likely worked up in readiness before he left!

Milner on the Inhabitants and Antiquities of Ireland. 229

and, but, as it related to Irish history, it seemed to find a better opportunity when the author was on Irish soil than it had done before. Either this course of research, in which much learning, labour, and acuteness, are employed, mainly accomplished before the Doctor's visit to that country, or it must have occupied so much of the time e spent there as to render it totally impossible for him to ive the due attention to the people he went to see.-We hould not forget, however, that seeing a people, is now reluced to a matter of very easy performance. In every coniderable country there are several great towns; in one of hese towns it is likely enough the investigator of national haracter has a personal acquaintance, and this person has equaintance in the two or three others; all these persons, a such a hospitable country as Ireland, are gratified to enertain for a few days a man of some literary distinction and zealous adherent to their religious class. He drives along he great road to these several stations; is introduced, at ach, to a number of persons of his own profession, and erhaps to several persons of note in a civil capacity; makes ome after-dinner inquiries, takes a turn in the schools, hos-itals, &c.; dips into a few statistical and political books finishing a book of his own which he away in the act finishing a book of his own, which has rivalled, in quickess of growth, any one fungus of the soil he has traersed.

On the strength, however, of this slight excursion, our auned for assumes to pronounce, in his own name, on all the palities of the Irish people. In some instances, he conscends to explain his process for acquiring knowledge; as hen he mentions, with an air of taking to himself no small edit, that, in order to ascertain the state of religious knowge among the poor, he was accustomed, when the posty dismounted to relieve his horses in ascending a hill, quit the carriage, enter some of the cabins by the road e, and try the children's knowledge of the catechism. It not said that the chaise waited at the top of the hill; and, the supposition that it did not, it would be a curious mputation how many minutes in all were allowed for this ployment, and what portion of time therefore could be St. I pended on each of several children in each of several tions pins, after allowing for the entering and departing salutais to the elder people.

r al

ant

s th

read

qui

ite a

horn

of

besid

had Irela

left B

happy and poetical substitute for patient and extensive mination, is an unbounded credulity, which so evidently sible and learned a man as Dr. M. would have acquired under the influence of his Roman Catholic faith, and

of which he has given the Irish the utmost benefit. For, according to him, the Irish nation is not only endowed with the happiest capabilities, which we presume is admitted on all hands, but is, (the Roman Catholic part) in the foll exercise, and almost maturity, of all the highest virtues and intellectual powers. Excepting a slight remainder of a taste for duelling, and a small tendency to inebriety, which may be only from the confluence and overflow of ever so many generous feelings, this neglected, ill-fated, superstitious people can hardly be charged with a vice. Among the lower order, a more than golden age of morals and religion is returned; and the people are as strikingly distinguished by piety of language, as the same classes in England are by profaneness.

Another circumstance edified me in this people, and would have edified me if I had been of a different communion from theirs, I mean a vein of morality and religion which seasons their discourses. In stead of those horrid oaths and curses which interlard and eke out the language of our English labouring poor, wherever we hear it, in the streets or upon the roads, my ears are now habituated to the language of piety among the lowest orders of the people. Thus, for example a poor blind man being relieved by me, he expressed his gratitude the following prayer. "May God grant you a holy life and a happ death." On a similar occasion, a poor woman returned thanks in the terms. "May health, wealth, and heaven be given to you." "p. 51

As to these very well composed forms of prayer, it is, is doubt, impossible for us to surmise they can ever be utter but with feelings of genuine piety, when we recollect ho commodiously furnished our English beggars generally a with equally religious though generally more concise for of benediction, and at the same time with good store of profane imprecations, for appropriate times and uses. It the country and the Catholic religion that make the happed difference. And we must here caution the English protestareader, who may propose visiting Ireland, not to mistake for profaneness, when he is struck, as he will very so be, with the novelty, variety, and frequency of the oaths a imprecations of the lower orders.

In imputing credulity to our author in his estimate of the moral state of the lower orders of the Irish people, we course imply that his hasty visit to a few of the clergy agentry of that country was managed in a way to leave a profoundly ignorant of the real state of the common people, and willing to take on trust such pleasant representations as the persons he transiently associated with saw would gratify him to hear. But it may be questionable far it is proper to apply the kindly term credulity, where

Milner on the Inhabitants and Antiquities of Ireland. 231

the monstrous statement relates to a very specific fact, and is made with the sort of personal pledge given in the following instance. Citing Sir J. Carr's report of a report that in the county of Kerry classical learning was very geneal among the peasants a few years ago, he adds,

That this is an undoubted fact, and that a great proportion of these ensants, some twenty or thirty years back, could even converse very hently in Latin, I can testify in some degree from my own acquaintnce with some of them, and still more from the account of witnesses

fthe highest honour, and of first rate information.' p. 185.

Still, however, we think it will be judged most fair and andid to attribute the Dr.'s sanction of such stories to a perectly innocent credulity, after we shall have quoted an intance of a still more admirable and enviable capacity of with. We are fully satisfied the Doctor sincerely and so. emply believes he has saluted in Ireland a piece of the true Cross.

'The church and monastery of Holy Cross were built for the parcular purpose of preserving a portion of the true Cross on which ir blessed Saviour suffered death. Certain it is, from ecclesiastical istory, that the Christians never lost sight of this precious relic. It is buried by the heathens under a temple of Venus, in the reign of Emperor Adrian, when he demolished the original city of Jerulem; but it was found again by the Empress St. Helena, at which me particles of it were distributed throughout christen om. ree principal pieces of it were preserved at Jerusalem, Constantinople, at Rome, from each of which small particles of it were occasionlot by taken. You will be surprised, sir, when I tell you that the idencal portion of the true Cross for the sake of which this splendid
on he was erected, is now in the possession of my respected friend and
low traveller, having been preserved from sacrilege in the reign of
leary VIII by the Ormond family, and by them transmitted to the mily of Kavenah, a surviving descendant of which has deposited it it my friend. It is by far the largest piece of the Cross I ever et with, being about two inches and a half long, and about half and the broad, but very thin. It is inserted in the lower shaft of an arse. Had you seen me respectfully saluting that material instrument of redemption, &c. &c.' p. 128.

To shew that Dr. M's credulity is, as first rate talents are id to be, capable of acting in any direction, we shall te one more sample. In a very just and animated invecre against duelling, he takes occasion to expostulate with e friend to whom he writes, (an English officer) on "the ost criminal disposition of mind, with regard to this subin which he fears that friend is habitually living." after very pathetically pleading the distress which

aga of regord sint has

oft

ril,

the (

appe

what

Close

mall

to ha

parti

but i

hyac Peru

in ha

sp mall

the it

vas s

of th

cted

ed

xam

mine

latin

ut e

the t

oluti

email

olved

uant

de us

plyed

tric

prec

re,

Meri

om 1

the

tre

dis

would overwhelm the parent, wife, and children of this friend, should he fight and die, our author adds,

a Christian; that is to say, a disciple of him who has made the torgive. ness of injuries (great as well as little,) for there is no distinction, the characteristic of those who belong to him, and who, to confirm his doctrine by his example, died praying for the wretches who were shed. ding his blood.' p. 48.

To admit the claim of this person to the denomination of a 'Christian,' a 'disciple' of Christ, while expressly charging him with this 'most criminal disposition,' is a credulity fitly rewarded by that privilege from the jurisdiction of reason— a firm faith in transubstantiation.—By the way, we hope the Doctor's Catholic orthodoxy may not incur any suspicion among his brethren, in consequence of his applying

these denominations to a heretic.

A considerable part of the volume is employed in defending some of the popish tenets and institutions, a department of science not much likely to be ever again in vogue in England. The valuable parts of the book are those which display the most impolitic, and in many points cruel treatment, which the Irish as a nation, and the Irish Catholic in particular, have experienced from the English government. This portion of the book will very much interest every reader who is convinced, as we are, that a different system of policy towards that unhappy country is very fast becoming so imperiously necessary, that to refuse it will be to coundestruction.

Among the questions of Irish antiquity, Dr. M. ably discusses the various opinions advanced concerning the design of the round towers, and proves, we think, that no conjecture is so probable as that which makes each of them have been raised for the habitation of a religious recluse. The whole volume bears evidence of very respectable ability and extensive learning.

Art. V. Philosophical Transactions, of the Royal Society of London f the Year 1809. Part II. 4to. pp. 280. price 10s. 6d. Nicol, 1809.

THIS part of the Transactions of the Royal Society for 180 contains eighteen memoirs, numbered from ten twenty-seven both inclusive.

X. On Plating and Native Palladium from Brasil. I William Hyde Wollaston, M. D. Sec. R. S. Read Man 22, 1809.

The mineral, which forms the subject of the present communication, was received lately from the gold mines in Ba

il, by the Chevalier de Souza Coutinho, ambassador from the court of Portugal to that of Great Britain. Its general appearance was such, that Dr. W. could form no opinion of what it might be found to consist, but it resembled very closely the form given to platina by attempting to render it malleable by means of arsenic. It did not appear, however, to have been subjected to any artificial treatment, as small particles of gold were distinctly visible on close inspection; but it did not exhibit the magnetic iron sand, nor the small hyacinths which Dr. W. had found to form part of the Peruvian ore. It differed from the common ore of platina having no polish, the grains resembled the fragments of spongy substance, and even those most rounded had mall spherical protuberances closely coherent, but with he interstices clean and free from tarnish. A portion of it as submitted to the action of nitro-muriatic acid; and two f the grains being observed to be much more rapidly cted upon than platina usually is, and to give a deeper ed colour to the solution, were separated for subsequent xamination. The other portion, when dissolved and exmined by the usual re-agents, was found to be nearly pure latina; it contained minute portions of gold and palladium, ut exhibited no distinct appearance of iridium or rhodium. he two grains which had been removed from the former olution, were dissolved in nitric acid, and a black powder mained on which the acid exerted no power. The disolved portion was found to be palladium, and another vantity examined by the action of the blowpipe exhibited e usual characters of that metal. The black powder dissign lived readily when a little muriatic acid was added to the itric; and from this solution muriat of ammonia threw down precipitate of platina coloured by iridium. These, theremt re, were grains of native palladium; and on examining its USE ternal appearance, Dr. W. found it easy to distinguish it abi om the substances in which it was imbedded. The surface the grains was fibrous, with the fibres divergent from one tremity; and from the certainty with which he was enabled ), distinguish the grains by this appearance, Dr. W. is induced consider it as characteristic. n

On a native Arseniate of Lead. By the Rev. William Gregor. Communicated by Charles Hatchett, Esq. F.R.S.

Read April 13, 1809.

This mineral was found in a rich copper mine, in the Marchan of Gwennap in Cornwall, intermixed with several vaeties of the ore of that metal. It is regularly crystallized; the form of its most perfect crystal is a hexaedral Ba cm, varying in diameter from the tenth of an inch to the thickness of a hair. The longest crystals do not exceed ; of an inch; and these terminate in a plane at right angles to the axis of the prism, but many of the smaller ones terminate in a fine taper point, which Mr. G. suspects to be a six. I mpl sided pyramid. The colour varies from the yellow of the Brazilian topaz, to the brown of common resin, or coarse sugar-candy. Some of the crystals are perfectly transparent, and the angular fragments of these are sufficiently hard to scratch glass; the external lustre is in some specimens vitreous, in others resinous, and occasionally the surface is co-A portion, melted in a gold spoon by the blow-pipe, did no appear to be altered when kept in a state of ignition; but when heated on charcoal it was speedily decomposed, arse nical vapours were disengaged, and metallic lead remained aritic behind. It is soluble in nitric acid, even without heat, if reduced previously to a state of powder. The transparency the solution is not diminished by nitrat of barytes; nitrate silver renders it turbid, and sulphuric acid and its soluble compounds produce a copious precipitate of a heavy white powder. The liquid, after the precipitates have subsided when cleared from the superabundant sulphuric acid, yieldsa abundant white precipitate on the addition of nitrat of lea in solution, and this precipitate, when acted upon by the blow pipe in contact with charcoal, resolves itself into metallic la and arsenical vapours.

here

oma

ce II me.

all C ust b

harks Mr.

ween owor

ere t earh

evs. ated

llect

the he de

r. H

Its !

his

rresp and t

ustra d pro

mpa

III.

mica

Rea

Thi

ot

US

These facts led Mr. Gregor to conclude that the miner consisted of oxide of lead, arsenic acid, and a small portion of muriatic acid; and from more ample and accurate analys of which a detail is given, he estimates its composition oxide of lead, 69.76. arsenic acid 26.40. muriatic acid 1.5 with small portions of silica and oxide of iron, which appe

to be merely accidental ingredients.

XII. An anatomical Account of the Squalus maximus (of Li næus) which in the Structure of its Stomach forms an inte mediate Link in the Gradation of Animals between Whale Tribe and cartilaginons Fishes. By Everard Hon

Esq. F. R. S. Read May 11, 1809.

In a former paper, inserted in the first part of present volume, Mr. H. gave an account of the peculiarit in the formation of the spine of the squalus maximus; in this he describes other remarkable features in its tomical structure. The fish, from which the account is tak was entangled in the herring-nets off the coast of Hastl in November 1808: it measured 36 feet 6 inches in lens as a wish and to always will most worm the rail ye

ad about 9 feet from the extreme point of the dorsal fin the middle line of the abdomen. The structure of the mach is the most remarkable circumstance in the desmotion here given; and in this respect it is so essentially ferent from the shark, that Mr. H. considers it as forming a intermediate link between the shark and the whale. Besides the cardiac and pyloric portions, as in other sharks, here is a globular cavity, with which the pyloric portion ommunicates by a very small orifice, and there is another orite nearly of the same size, between this cavity an I the intesne. The upper part of the duodenum is smooth, and the all ducts open into it by a long nipple-like projection, and ist below this the spiral valve has its origin as in other harks." p. 210.

Mr. H. is of opinion, that the shark tribe, from the pecuarities of internal structure, may be sub-divided into many enera, making, with the rays and skates, so many links bemen the whales, and fishes properly so called. It is not aworthy of notice that two other squali of large dimensions ere thrown upon the coast about the same period; one at earlyn in Cornwall, the other at Stronsay one of the Orkeys. The last was in an almost putrid state, and much muated when first observed; and our readers will probably reet that it was described with much minuteness of detail the journals of the day, as a new species of sea snake, ed the depositions on the subject were put into the hands of Home by Sir Joseph Banks, and he procured portions its skull, spine, and cartilages through the intervention his friend Mr. Laing, and on comparing these with the tresponding parts of the squalus maximus, they were und to agree both in form and dimensions. This paper is ustrated by four engravings, exhibiting the natural figure d proportions of the fish, and the structure of its stomach mpared with that of the common dog-fish.

Ii II. On an Improvement in the Manner of dividing astrono-

intermical Instruments. By Henry Cavendish, Esq. F. R. S. Read May 18, 1809.

The accurate division of astronomical instruments is of

th great importance, that every suggestion for its improvemerits attention. The plan proposed by Mr. C. is use a beam compass with only one point; and to substie, for the other, a microscope movable from one end of beam to the other. The compass is to have its centre motion on a frame resting steadily on the face of the cirto be divided, and fixed so as to be capable of sliding ed it by means of an adjusting motion, that may admit leng us being brought to any required point. The centre of

of t

iarit

stak

Jastil

ave

iple

henc

re sh

rehe

ance

Mr

he F

nd th

W.

Wi

8, 1

Son

vo m

nd M

the

bubt

wedis

nall s

nd a

. fro

ppear

at no

e co

dumb

actur rainst

hard

me d

foun

anga

grain

grain

ve anga

mar ids,

np

236

XIV. On a Method of examining the Divisions of astronomical Instruments. By the Rev. William Lax, A. M. F. R.S. Lowndes's Professor of Astronomy in the University of Cambridge. In a Letter to the Rev. Dr. Maskelyne, F. R. S.

Astronomer Royal. Read June 1, 1809.

This is a valuable communication, but not very susceptible of abridgement. By means of a simple apparatus which he has described with sufficient minuteness, Mr. Lax measures the subdivisions of the instrument to be examined beginning with the arc of 180°, and proceeding afterwards those of 90°, 60°, 45°, &c. and measuring each succeeding arc of the same magnitude in the circle, against that he ascertained, and noting down their differences with the characters + or — prefixed. This measurement determines the proportion which the first, and each succeeding at bears to the whole circle, and consequently the absolute lengths of the arcs themselves.

Hence it is evident, if there is no error committed in the measurement of any of these arcs, we shall have the value of a, and consequently of a+a', a+a'', a+a''', &c, and any arc, comprehending any number of these accurately determined." p. 235.

The plan is not liable to any considerable degree of end but it must of course vary in some measure with the accuracy of the examiner's eye, and the excellence of the miest cope employed. The apparatus here described has also advantage of supplying a ready mode of rectifying observations.

which are required to be remarkably correct. "We are only to measure the arc which has been determined by the observation, against the whole circle, or against the mulpiple of it, which approaches nearest to the circle, and from thence to deduce its value in the manner explained above, and reshall either have entirely excluded the error which we apprehended, or have rendered it too small to be of any impormec." p. 242.

Mr. L. thinks this expedient possesses all the advantages of he French circle of repetition, without its inconveniences, and that it is capable of a higher degree of accuracy.

William Hyde Wollaston, M. D. Sec. R. S. Read June 8, 1809.

Some degree of suspicion has been entertained, that the no metals discovered about the same time by Mr. Hatchett M. Ekeberg were in fact the same metal; and Dr. W. the paper before us appears to have removed all remaining. bubt on the subject. Having obtained specimens of the wedish minerals tantalite, and yttrotantalite, he procured a nall supply of the oxide of columbium from Mr. Hatchett, da few small fragments of the mineral analysed by Mr. from the trustees of the British Museum. The external pearance of the two minerals is so much the same. at no difference can be discovered. The external surface, e colour, lustre, and fracture are precisely the same; but lumbite breaks rather more easily under a blow, and the acture is less uniform. When the two minerals are rubbed ainst each other, they appear to have the same degree hardness, and the colour of the scratch in both has the me dark brown tint. Each of the minerals, when analysed, found to consist of a white oxide, combined with iron and anganese.—Five grains of columbite gave of white oxide grains, oxide of iron 3 of a grain, oxide of manganese 4 of grain. Five grains of tantalite, treated in the same manner, we of oxide 4 4 grains, oxide of iron 3 a grain, oxide of anganese 3 of a grain. The white oxide of the minerals is markably insoluble in the muriatic, nitric, and sulphuric and but were readily calable in potach whether pure or same valuated with carbonic acid, and in soda, though much less mpletely; they are each precipitated from the alkaline ution by the addition of an acid, but are not re-dissolved em an excess of the sulphuric, nitric, muriatic, succinic or act stic acids; they are each perfectly soluble in the oxalic, solution taric, and citric acids, and the solution with each is subser er precipitation, it can scarcely be re-dissolved, until it has again fused with potash. Prussiat and hydrosulphuret

of potash occasion no precipitation from the alkaline solution: the infusion of galls throws down an orange-coloured pow. der, but to produce this effect it is necessary that sufficient acid should be added to neutralize any excess of alkali which might happen to be present, and there should be no excess present of the oxalic, tartaric, or citric acids. Dr W. considers the infusion of galls as the characteristic precipitant of this metal. From this perfect agreement in the chemical properties of the two oxides, there can be no reason. able doubt of their identity; but there is a remarkable diff ference in the specific gravity of the two minerals from which they are obtained. The specific gravity of colum bite as determined by Mr. Hatchett is 5.918, that of tantalia as ascertained by Mr. Ekeberg 7.953; results which Dr W. considers from his own trials sufficiently correct. Who ther this discrepancy arises from a difference in the state of oxidation of the metal, or from the state of aggregation is uncertain.

XVI. Description of a reflective Goniometer. By William Hyde Wollaston, M. D. Sec. R. S. Read June 8, 1809.

This is an ingenious instrument, but a description of it could not be very intelligible without a reference to the engraving annexed to the paper. It is intended to measure the inclination of the surfaces of crystals by means of the rays of light reflected from them, and from the principles of it construction, it would appear to admit of very considerable accuracy. Dr. W. finds it possible by means of to determine the position of surfaces of to find the principle of an inchibre additionally with as much precision as those of much large crystals; and he thinks it will supply the means of correction many of the errors of former observations.

XVII. Continuation of Experiments for investigating the Cau of coloured concentric Rings, and other Appearances of a smilar Nature. By William Herschel, LL. D. F.R.

Read, March 33, 1809.

This paper is a continuation of a disquisition which is bare already noticed (Vol. V. p. 128.) in reviewing the second part of the Philosophical Transactions, for 1807. It that communication, Dr. Herschel pointed out a variety methods that will produce coloured concentric rings between two glasses of a proper figure applied to each other; and was attempted to be proved that only two surfaces, name those that are in contact with each other, are essential the formation of such rings. The Doctor now enlarges the shape of rings has been owing to the exclusive use spherical curves, and intends from the whole to establish

In the paper before us, the first section, numbered in conquation 35, affirms that 'cylindrical curves produce streaks." ne surface of a plate of glass being ground to a cylindriform, it exhibited, when in contact with a plane surce, streaks of colour which differed in no respect from ngs, except in their linear, instead of circular arrangement. The next two sections inform us, that 'cylindrical and sphecal surfaces combined produce coloured elliptical rings; d that 'irregular curves produce irregular figures.' All is contains nothing new. In the two succeeding sections, is attempted to prove that curved surfaces are necessary to e production of the coloured appearances under considenon; and that such appearances cannot be produced beeen the plane surfaces of two parallel pieces of glass: yet eauthor adds that 'when the incumbent plane is not of a rallel thickness,' as he strangely expresses it, 'coloured momena may be rendered visible between two perfectly me surfaces; while in the same page he asserts, that no re than two surfaces are essential to the formation of cored rings. Such contradictions it is not our business to oncile. Here, too, the Doctor's explanation of the dispearance of the colours between two pieces of glass sepaedat one end by a slip of platina, is extremely forced, atmary, and inadmissible; unless he can shew that the same ours are not produced by a pressure immediately upon the ces in contact. In this part, also, when speaking of the tual repulsion of the glasses, he has been anticipated by wton himself, by the late Professor Robison, and by Dr. omas Young:

lian

oul

ving

lina

S 0

of it

onsi

of i

ch i

arge

ectili

Cans

fas

. R. A

ch m

he se

7.

iety

etwee

and amel

ges th

ance

use

ablish

sections 40, 41, 42, 43, relate to the production of cored appearances, to the Newtonian prismatic blue and red s, and the sudden change of colours of the bows; and particularly objectionable; we can, however, specify only thing here. The Doctor says, 'according to my account he red bow it ought to be seen in the prism a little above blue one, and this is also farther confirmed by any one he experiments in which we have some part of each bow. lew at the same time, for then the relative situation of the the red bow is merely the supplement of the blue one, breadth the same, and it must necessarily appear at the e elevation. To a careless observer, indeed, it might halittle more elevated, on account of the slight difference be upper edge of the blue bow from white light, and the equent feeble marking, compared with the strong termination of the red one. But had Dr. H. simply covered the opposite halves of two of the sides of a common prism with two pieces of paper, and looked up through the third to wards the stay, he would have had a perfect view of both bows placed side by side, and equal in breadth: while, according to his calculations, the red bow ought to be not only

a little,' but entirely above the blue one.

The 44th section relates to the 'streaks and other phono mena produced from the prismatic blue and red bows.' Here bowever, nothing occurs but what is perfectly conformable to Newton's rule for computing the effects of light falling obliquely upon thin plates. The 45th section contains des criptions of the different appearances of the prismatic bons in prisms of different forms, and according to the different directions of the light. Section 46, is designed to prove the the first surface of a prism is not concerned in the formation of the blue bow, nor of the streaks that are produced by plane glass applied to the efficient surface; and section 4 that 'the streaks which may be seen in the blue bow contain the colours of both the parts of the prismatic spectrum, the critical separation of which the bow is formed.' The 48th section relates to the 'formation of streaks.' This accompanied by some immense figures, on a scale a thousand times magnified. It is intended to be proved, that 'the princip of reflection is the cause of streaks; but, notwithstanding the aid of the gigantic diagrams, we are by no means sat fied with the supposed demonstration. From the 49th secti the reader may learn that 'prismatic bows, when seen at distance, are straight lines.' The 50th affirms, that 'the lours of the bow streaks owe their production to the princip of the critical separation of the different parts of the pr matic spectrum.' It must here be remarked, that the angle at which the rays constituting the blue bow (sect. 41) are parated from the rest, are termed by Dr. H. critical, and effect a critical separation.

Let a plain glass be laid under the base of a right angled prist then, if the eye at first be placed very low, no streaks will be seen; when afterwards the eye is gradually elevated, till by the appearance the blue bow we find that the principle of the critical separation of cold is exerted, the streaks will become visible, and not before; nor will remain in view when the eye is lifted higher than the situation in what the effects of the critical separation are visible. It is therefore evid not only that the colours are furnished by the same cause which produce the bow, but also that they are modified into streaks by the plain surunder the prism,' pp. 292, 293.

All this, notwithstanding, is perfectly consistent with Newtonian theory; and will admit of a ready explanate without adverting to Dr. H.'s new principle. For the streaks cannot be seen when the eye is very low, because the reflection is then total; and they will usually disappear when the eye is much elevated, because either a great obliquity, or a very close contact, is required for producing them.

The 51st section is to prove that 'a lens may be looked upon as a prism bent round in a circular form.' This proposition may be admitted without any proof, provided the ungle of the supposed prism be always thought equal to that formed by the tangent planes to the lens at the point concreted in any individual experiment. Dr. H. details some experiments to establish this: and then says, 'a consequence of great importance may be drawn from' them:

For since the cause of the coloured appearances, which have been seen in a prism, is now perfectly understood to be critical separation of the colours of the incident light, it must be mitted that such a separation will certainly take place whenever a beam light can find an entrance into glass, so as to make the required angles her with an interior or exterior surface, be it in the shape of a prism, is, or solid of any kind, although the figure of the last transmitting face should not permit such coloured-appearance-making-rays to reach eye. A plano-convex lens will consequently by its construction separethe rays of light which enter at the convex surface in such a manner, by reflection to produce what, if it could be seen, would be called a bow, and by rays that come in at the plain side, separate them by iomission so as to produce a red one.

1, 4

TH

118

usar

ncip

indit

sati

secti

n at

thec

rincip

ne pr

) are

and I

led pris

seen;

pearance

r will t

n in w

fore evid

ich prod

plain su

t with

x planati

n of cold

To remove all doubt about the truth of this theory, I ground a small of a plano-convex lens flat, that I might look into it, as it were, with a window, to see what passed within. The flat made an angle the base of about thirty-four degrees, and I saw through it very ply, in different directions of the illumination, a blue bow by light might the convex surface, and a red bow by light coming in at the lone, p. 297.

low egregiously may a very ingenious man deceive himto support a favourite theory! When Dr. Herschel
bund a small part of a plano-convex lens flat,' to make 'a
low' by which he might 'see what passed within,' 'tis
he did not grind another window for his understanding,
ugh which he might have perceived that by this process
centrally converts his lens into a prism. To convert a
into a prism in order to see what takes place in a lens,
ious enough. We recollect only one experiment equally
lious: that of the Irishman, who placed himself before a
ir and shut his eyes, in order to see how he looked
the was asleep.

section 52, Dr. H. attempts to prove that 'the critical tion of the colours, which takes place at certain angles idence, is the primary cause of the Newtonian coloured L.VI.

rings between object glasses.' This section occupies more than three pages; and Dr. H., through some singular fatality, seems perfectly convinced that his reasoning is legitimate, though we recollect no instance of a similar paralogism in the history of science. He sees and confesses, that the coloured rings are visible at all angles; his 'critical separation' only takes place 'at certain angles,' in glass, for example, a about 50 degrees; yet, is our theorist perfectly satisfied that this partial critical separation is the general cause of the colours seen at all angles! And this is the manner in which the theory of Newton is to be overthrown. A much able mathematician, and a far more ingenious experimenter, than Dr. Herschel, Father Boscovich, advanced objections Newton's theory of fits of easy reflection and easy transmission which, after a closer examination, he found really furnished new arguments in favour of that hypothesis. If Dr. H. would follow the example of Boscovich, and could pursue his n searches with skill equal to his industry and perseverance we doubt not he would soon find cause for a similar change of opinion. As it is, we can only regret that the first pm tical astronomer of the age should wander from the provin for which nature seems to have fitted him, and ramble in others where he is a total stranger to every object arou him, and where every additional step seems only to take hi farther from the path of safety and of fame.

G

eatis

er hi

end

are

 $\operatorname{Id}$ 

XVIII. An Account of a Calculus from the Human Body uncommon Magnitude. By Sir James Earle, F. R. S. Re

Jane 15, 1809.

It is unnecessary to enter very minutely into the circu stances of this singularly painful history. The subject of (Sir Walter Ogilvie, of Dundee, Baronet) at the age of twen three received a blow on the back, from the boom of the sel in which he was crossing the ferry at Leith. The lo extremities, and the contents of the pelvis, became paralys and though after a tedious confinement he regained in so degree the use of his limbs, his health and activity were no restored. Twenty years after the accident, symptoms of st in the bladder made their appearance: and the ac existence of the disease having been ascertained by late Mr. Benjamin Bell of Edinburgh, the operation of traction was recommended, but postponed from time to until the pain occasioned by the increased magnitude of concretion became perfectly intolerable. In the summ 1808, thirty years after the accident, he was remove London for the purpose of undergoing the operation; from the bulk of the calculus, it was found impossible " move it whole, and it was too firm to be broken down by mechanical force which it was safe to employ. On the tent

after the operation, the life of the sufferer was terminated. On inspecting the body after death, the stone was found to fill the bladder entirely; it weighed 44 ounces apothecaries weight, and its circumference on the longer axis (for its form was in a considerable degree elliptical) was 16 inches, and on the shorter 14. It was subjected to chemical examination by Dr. Powel, and found to consist of the triple phosphat of ammonia, magnesia, and lime, forming the fusible calculus of Dr. Wollaston, together with rather a large proportion of animal matter. Its internal structure exhibited distinct nuclei, consolidated into one mass, and formed of concentric lavers.

(To be concluded in the next Number.)

dy

ircu

twen

An. VI. A Treatise on the Conduct of God to the Human Species, and on the divine Mission of Jesus Christ. By the late J. Hare, A. M. Author of an Essay on Scepticism, Rector of Coln St. Denys, Gloucestershire, and Vicar of Stratton St. Margaret, Wilts. 8vo. pp. 393. Price 10s. 6d. Rivingtons. 1809.

AFTER reading the Phædon with attention', says Mr. Hare, 'the reader rises from its perusal with the idea, at the powers of the writer were very unequal to the task thad undertaken.' It is owing to the inexhaustible patience which reviewers are proverbially noted, that we have a the to advance an opinion of the same kind respecting this lume. Not only has this thankless toil convinced us, that he s singularly destitute of the information and acuteness, as as the judgement, requisite to compose a satisfactory atise on the subject, but it has induced us to question wheet of er his mind was of sufficient capacity to comprehend at the several objects that such a treatise should embrace, endued with sufficient skill to arrange them in any thing endued with sufficient skill to arrange them in any thing ea natural order, even if the materials had been ready furnely hed to his hand. He does not appear to have been at all are of the extent or difficulty of the task he undertook; so much as to have considered what a man of an ordinary re of sense would expect such a treatise to contain. Any sideration of this nature, indeed, in the mind of Mr. Hare, do by have suggested but a humble object of pursuit, or pation of the to answer the most moderate expectations, ande of summ a history of the divine conduct towards man, so so sit could be collected from the scriptures, occasionally trated and confirmed by the annals of the world and comparation; trated and confirmed by the annals of the world and comration; experience: that as many portions of such a history sible t tbe supposed, partly from the ignorance, partly from the lown by mption, partly from the depravity of man, to obscure he tent

the lustre of the divine character, it would be necessary to vindicate and justify the providence of God, and remove whatever solid or specious difficulties might embarrass it: and that, since the conduct of God to man becomes an object of solicitude, principally as it tends to promote in our minds the growth of piety and virtue, there must by no means be omitted a description and an improvement of the duties we should practise in consequence of the treatment we have received

from the Deity.

We consider it as admitting of very little doubt, that Mr. H. sat down to write the papers contained in this volume without any design of making a treatise on the conduct of God to the human species,' and that having heaped together a sufficient quantity of materials, upon some points that undoubtedly should be discussed in such a treatise, to form book of considerable size, he energized his invention (to use an elegant term of his own) upon this subject, and at last very unluckily fixed on the present title. That this was the case, w infer from the title itself, as well as the whole fabric of the Every man, who believes in the divine authority of the scriptures, knows that by far the most remarkable par of the 'divine conduct to man' is 'the mission of Jest Christ;' which, instead of being a distinct and separate sub ject, is naturally and necessarily included in it. The different parts of this book, however, have nothing that holds the together. The conclusion would be equally intelligible an impressive, at the commencement, or in the middle, as at the close of the work. You may take away one half of the pages without producing a chasm, read any portion of without the aid of any other portion, and arrange the whole in a manner as contrary as possible to the present position the parts, without impairing the force of one argument adding the least obscurity to a single passage. It was only a proper disposition and a judicious management of t topics Mr. H. pretends to handle, that they could subser his purpose. They should have been wrought into an ent and solid chain of reasoning, no less firm than polishe not thrown together as plunder collected in the heat of batt This total want of plan and arrangement in his book, shou be attributed, we think, not to his incapacity, so much as the several parts of it having been composed without any sign that they should be stitched up together or pass unde common appellation. We will venture a conjecture, this treatise is for the most part a transcript of some of discourses with which Mr. H. edified his parishioners, pla indeed beside each other, but not so far improved as to h the repetitions expunged. Hence the first proposition,

vou

urni

tanc

ormi

dsur

strat

tigu

'He

mig

orks

Ray

tural playe

the h

he calls it, is devoted to the solution of objections against the divine goodness, and the third to arguments in favour of that attribute, while the intermediate space is occupied with a variety of remarks, designed to evince the divinity of Christ, and the divine origin of his mission, interspersed also

with the discussion of other subjects.

The same lamentable deficiency of the powers essential to an author of the lowest rank, that appears in the location, is also conspicuous in the manufacture, of the separate parts of this treatise. Far from pursuing the beaten track of establishing principles and then repelling objections, Mr. H., by a strange perverseness, first marshals his objections, and in order to obviate them is under the necessity of making use of the same reasonings he must afterwards employ in support of his positions. He confounds distinct subjects, and argues by turns in defence of contrary sentiments. In his view, the premises from which an objection may be deduced, and the bjection itself, are the same. His argument very often moves in a circle. He supports the weightiest asseverations by the testimonies of heathen philosophers; and with infinite burage and success labours to prove truisms that every one bould have granted him without hesitation. The same facts umish him with contradictory conclusions; and, in some inances, having magnified an objection into something very brmidable, in the same page he degrades it into the veriest surdity that ever disgraced the human intellect. To ilstrate these remarks by particular examples, would only ligue and disgust our readers. of

Here,' says Mr. H. in drawing to the conclusion of his labours, might exceedingly enrich this volume, by extracting from Dr. Nieutyt's "Religious Philosopher, or Right Use of contemplating the lorks of the Creator;" "Derham's Physico and Astro Theology;" Ray on the Wisdom of God in the Creation;" and "Dr. Paley's tural Theology;" many delightful instances of the goodness of God played in the glories of his creation in general, and exhibited in favour

the human species in particular: but I forbear.'

hol

ion

ent

nly

of t

bser

lishe

batt

shou

any o

, plac

s to h

sition,

The reason of this forbearance, as we find in a note, is, it this practice makes one book the mere echo of another.' might naturally be inferred from this passage, that Mr. H. arded his treatise as an original work. We should have endisposed, ourselves, to allow him the whole merit of the atrivance as well as execution, but for two other passages, which he betrays a consciousness of being under considerabligation to former writers, by claiming these in parlar as his own, having never met with the remarks in any k whatever. We regard the paragraphs in which Mr. H. so advantageously displayed his invention, as very precious

morsels, and cannot but enrich our journal with them both; because we think them as favourable and characteristic extracts as can be made from the treatise, and deem it highly criminal to defraud our readers of whatever has the least appearance of novelty.

Of all the actions of our Redeemer, (excepting his resurrection,) the one which, in my humble judgment, is the most extraordinary, the most peculiar, most particularly impressive of his divinity, and a sensible de. monstration of his being the Son of God, is the action of his imparting the holy Spirit to his Apostles: "He breathed on them, and saith unto them, Receive ye the Holy Ghost." This is not at all the action of a mere man; as such it would have been a contemptible puerility: but as the action of the Son of God, conscious of his divine power, and of his ability to impart its heavenly influence, in how great, how awful and im. posing a way ought it to be considered! When God created man, "he breathed into his nostrils the breath of life, and man became a living soul!" and when the Son of God means that man, dead in trespasses and sin should again become a living soul, he imitates this action of his Father and, by this heavenly inspiration, imparts to man that holy Spirit, without which, in a spiritual sense, he must ever have continued to be dead. By this gracious action of our Saviour man becomes, in deed and in truth regenerate; a right spirit is renewed within him; that spirit by which alone his natural corruption and depravity, and the venom of original sin can be subdued in his mind, and by which alone his soul is disposed to the acquisition of that holiness, without which no man can see the Lon or be admitted into his kingdom. By this divine afflatus of our blesse Redeemer, man is emancipated from the power of sin and death; and therefore it is a literal fulfilment of that promise to Adam, that "the see of the woman should bruise the serpent's head;" and likewise of the to Abraham, that in the Messiah "all nations of the earth should blessed."

'This passage of Scripture merits the particular consideration of the who entertain any doubts of our Saviour's divinity, it being one of the strong proofs which is calculated to influence the human mind, in most powerful and efficacious manner, to a conviction and belief of

being the Son of God.' pp. 294—296.

The goodness of God, in many instances, is like some of his work those stars, for example, which, unless viewed by a telescope, are not seen: contemplation is in this respect to the mind, what the telescope to the eye, and without it we shall never have more than a very imper notion of the goodness of God. With the reader's permission, I illustrate what I mean by an example. The fruits of the field, such wheat, barley, &c. respectively grow ripe at once, because it is for evident advantage and interest of man they should do so; and it would a dreadful evil if they did not: whilst the fruits and flowers of a gar ripen in succession, and the fruit even on any one tree does not not once, there being often an interval of ten days or a fortnight between ripening of the first and last peach or nectarine on the same tree, but these delicious fruits were clearly and unequivocally intended for at timed pleasure and gratification to man; and this gracious intention

the part of God would have been in great measure frustrated, if these fruits of the garden had grown ripe all at once, like those of the field. Is not the Goodness of God evidently exhibited in this instance? Nevertheless, I have never heard it remarked either in conversition, or seen it noticed in any book, though it may have often been observed in both; as indeed it is one so plain and obvious, that a child might have remarked it.' pp. 384-385.

It is but justice to say, that Mr. H. appears to have been a well meaning man; and that he has collected, in his treatise, a multitude of very common but important truths. But he has fallen into a variety of gross and often pernicious errors, which we should have more minutely examined, and to the best of our ability exposed, had not his work contained so much feebleness and absurdity, so many preposterous phrases and unintelligible propositions, as render it more an object of disgust than a source of alarm.

Art. VII Indian Recreations; consisting of Thoughts on the Effects of the British Government on the State of India: Accompanied with Hints concerning the Means of Improving the Condition of the Natives of that Country. By the Rev. William Tennant, A. M. LL. D. and M. A. S. lately one of His Majesty's Chaplains in India. Vol. III. Second Edition. 8vo. pp. 380. Price 9s. bds. Longman and Co. 1808.

DR. T. announces this volume as the termination of his labours on the subject of India. The inquisitive reader will receive it with a measure of real gratitude, as containing additional information, and as being a much more elaborate performance than the former volumes. ame time, he may not regret that it should be the conclusion; judging that three good sized volumes are quite s much as the public can reasonably claim from the author, and that they do or might contain as much additional aluable knowledge as the writer is qualified to contribute the public stock,—that they consequently occupy for him a sufficient space in that most enormous mass of composisufficient space in that most exactly one of those
such that we written and the substance of what
he will attract their readers through new voumes on the same subject by the mere beauties of their
sufficient space in that most enormous mass of composition and composition and composition and composition mass of composition and composition

in t

entio

Those faults are of such a nature and extent, as to require

no ordinary measure and value of knowledge as an atonement. The composition is very slovenly, and often incorrect. In the pride of reflecting that he was writing about India, and writing about it as a person who had actually been there, and that by the subject and by this circumstance he had a great advantage over the majority of book-manu. facturers in this country, (a pride not attempted to be concealed in our author's writings), he seems to have accounted himself absolved from the obligation, - perhaps even thought it would be generous to leave humbler scribes the merit,of endeavouring at general neatness of language, at conformity to the plainest rules of grammar, completeness in the construction of sentences, and clear connexion and succession in reasoning. With all due apprehension, however, of the greatness of the subject, with all imaginable vene. ration for India, where Dr. Tennant has been, where for. tunes are made, where the Marquis Wellesley has built a superb palace, where a few English soldiers have often frightened a pagan army out of sight almost as easily as if it had been composed of rabbits; where a faggot, or a wheelbarrow-full of mud, will make a dozen of gods, and where simpletons are reckoned by the million,—with all due impressions of so splendid a subject, it is yet difficult to consent it should overawe the laws of correct writing into an acquiescence in such forms of expression as the following. 'They attempted to form, at once, all those different chiefs collectively, into a combination.'- 'the Zemindar illegally acquired by partial rent-rolls, and by secreting the lands and rents, &c.'- these abuses were far surpassed by the exactions which were imposed at the markets'- who enjoy the peculiar felicity of hardly ever having been suspected of undu partiality- to unfit the members of our Universities from affording much assistance in so important a discussion'these labourers prosecute the task by means that are in practicable'-' this product affords the universal beverage of all ranks.' We ought to learn from such an expression a the following, that the ancient Roman power is still very formidable; 'much probably is owing to the deprecated am bition of that celebrated nation.' There ought to have been at least a lucid belt of context to reflect some meaning round a sentence like this: 'It will not, however, be denied that a continued series of victories gained by Europeans must have forced the stream of this calamity (war) with peculiar aim against those princes whom it endangered, either in their power, independence, or personal safety.' p. 125.

ile

tl

We think that no severity of criticism can well be to much for writers, who at the present day scorn to take the

muble of observing the ordinary proprieties of language, unless they are convinced that the 'people are actually perishing for lack of the knowledge,' which they are thus breaking down the just laws of both writing and thinking in their hurry to impart. It is not solely in bad constructions of language, that Dr. T. is willing to shew his readers what liberties a man becomes intitled to take from laving doubled the Cape of Good Hope. His pages are suffered to abound with careless assertions, sometimes appaently of very imperfect meaning, sometimes thrown out as fjust to take their chance of being right or wrong, (the withor scorning to be under any responsibility about them,) and sometimes palpably absurd. For example, after menioning a late native Asiatic scholar, and agent of the Brish government, Tuffusil Hossein Khan, he says, 'the harge against the Orientals of tasteless floridity, of unlaste ornaments, and of inaccurate and superficial knowledge of all scientific learning, by his writings has either been if reatly weakened or completely overthrown.' p. 364. Just as all the Asiatic dreamers and ravers of what the courtesy Europeans has admitted under the denominations of phisophy, history, and poetry, were embodied and identified this one man; as if some writings of his, thrown on the appendous heap of ancient or modern oriental trash, had by ng. me magic obliterated all the intellectual drivelling, the puacthe whole precious assemblage. — After stating the beneent practical effects of Christianity on human society, tions, he adds, 'The very imperfections, however, of heafrom a assertion is not followed by any thing calculated to astain its meaning, nor by any guess at the period when the hindoo superstition, for instance, may be expected to troy itself by its own depravity.—Speaking of inoculation, on a the Jennerian improvement of the discovery, he says, very taken together they assuredly constitute the most solid dam left that one portion of the human race has ever content upon another, and does not seem aware of a postaning lity of any reader's recollecting the art of printing, or conveyance from one region to another of Christian peans wiedge. Nor when, in another place, he lays it down as with the lays it to any great distance without carrying also the use-sts to any great distance without carrying also the usests to any great distance without carrying also the usebe to arts,' does he betray any sign of ever having heard of
the this, Huns, or Tartars. It is also forgotten to be stated

what improvements, of the nature of civilization, accompanied or followed the establishment of the late Mahratta enpire by the most signal course of conquest, except the British, that has for some ages been witnessed in the East -As another very needless display of the difference which the Doctor puts between his own understanding and that of his readers, it is worth mentioning that the most formidable per sonage that has ever appeared on the earth since Timour, personage before whom the whole policy and power of the civilized world are sinking, is disposed of with the mos pleasant facility, as 'an upstart, distinguished by no depth of policy.' It is peculiarly consoling to dwell on this tem ' upstart,' since, whatever advantages perverse fortune may have hitherto flung at the shallow head of the man, it cannot be in the nature of things, but he must be beaten in the lon run by the profound talent confessedly inseparable from he

reditary rank.

Our author has an extraordinary faculty of maintaining a perfect gravity, in uttering truisms as important observa tions; important, not in the manner of those self-eviden propositions which are sometimes requisite to be formall laid down as the basis of reasoning, but important per s For instance, we are here informed that, 'the intern energies of a free, commercial, and enterprising nation, and great, yet, by adverse circumstances they may not only weakened, but ultimately destroyed' (p. 39.); which pro position may be simplified, generalized, and shorteneding to this, that any thing may be injured or destroyed by cause which is competent to injure or destroy it; and the would perhaps be related, not very remotely, to that tri of propositions ('whatever is, is,' &c. &c.) the grave inam of which so vexed Locke. To exhibit the author's loo and rambling mode of reasoning, it would be requisite give room, which cannot be afforded for such a purpo for whole paragraphs and pages, as examples. when it will not be denied that the drift and conclusion the reasoning are just, and when the question is of su importance that the reader will be anxious to apprehe the argument clearly, he will fretfully perceive that process is conducted in a careless, crude, and income quential manner; insomuch that he is forced to take Doctor's premises, and try to get at a conclusion by so straighter and plainer road.

mp

nd

abl

In the few preceding observations, we have been act ted by no feeling but that just discontent, which is exci at seeing with what self-complacency men of learning information can waste the time, and contribute to spoil

ntellectual habits, of the reading part of the community. Those habits are bad enough in all conscience without the ssistance. There is little enough order in statement, clearless and concentration of reasoning, and simplicity and precision of language, even among those who are not combletely absorbed in either business or dissipation, and who imploy a tolerable portion of their life in inquiry. It might easonably be expected, that when a man of intelligence nd a scholar intends to occupy their time and attention to large amount with what he is writing, he would be anxious not only to communicate a certain quantity of knowledge, but to communicate it in a manner that should have the effect of a sound discipline to their minds; that he would the feet of a sound discipline to their minds; that he would be rike a severe effort so to dispose and condense the statements, and to give such a perfect construction to the reaming and the language, that the readers might be trained blogical thinking and good taste, an advantage of greater value than that of merely getting the knowledge of a certain number of facts more than they knew before. The neglect of this grand duty of an author would be inexcusable, even the few were not seeking general attention to his subject and his book, but merely intending a statement of some particular matters of fact for the information of a particular class at persons, the young writers and cadets, for instance, who are preparing for the India service; since if India be some profitant as every maker of a book on the subject avers and continually repeats, there is very good reason why writers and cadets should be habituated to beware of tolerating the besselves in random assertions, trivial observations, or loose and the subjects, of which intelligent men throughout the country are expected to have some knowledge; he proposed to the subjects, of which intelligent men throughout the country are expected to have some knowledge; he proposed to the most commodious bulk for such a kind of servant); and yet he thought it quite beneath him (having been in the book is in some degree mischievous to the intellectual displication of its readers.

The value of the knowledge conveyed in the work, made well worth while that it should have been wrought to be completeness: for the author supplies, in this volume mke a severe effort so to dispose and condense the state-

well worth while that it should have been wrought to sompleteness; for the author supplies, in this volume pecially, a very good share of that kind of information, hich is received with gratitude by persons who are wishes to appear, in general conversation, respectable on the

ng poil subject of India, and the economy of the British government

in that quarter.

The design of this volume, is to describe the benefi. cent effects of the English government on the moral and political state of India, and to suggest and urge the pro. per measures for rendering those effects more complete and securing their permanence: the description necessarily includes many facts illustrative of the execrable quality and policy of the native governments, so many of the wretch. ed subjects of which have been rescued by the English cannon. The author has evidently expended much labour on the subject, though he has employed too little on the book. Yet of the book he intimates no diffident opinion when he says, (we are not certain whether of this volume separately, or of the whole work,) 'Should the young adventurer to India honour it with a perusal, he may venture to assure him, that he will possess more knowledge of the country and its inhabitants, than the author himself could obtain when he visited it, after much pains and extensive reading.' This implies, that much of what the work contains was learnt by the author's personal observation, or from such testimony on the spot as he had the means of verifying. And, so instructed, he demands to be received on his own authority, unsupported, except in a very few instances, by the production of any of that written or other testimony on which he must necessarily have relied in many parts of his work. This forbearance of reference to his authorities, of whatever nature they are, is justified by a reason which was probably never before assigned for a similar omission, by any writer whose work included a considerable portion of controverted history.

fere

the

int

est

htir

ore

Of the truth of the greater part of the positions attempted to be proved in the foregoing pages, the author, from having been for several years an eye witness of Indian manners, had the fullest proof and conviction: For this reason, chiefly, the ostentatious display of documents and authorities to confirm his reasonings, or to authenticate the facts, has been avoided. Abundance of these might, no doubt, have been adduced; but, as they could furnish no additional evidence to his own mind, he was not aware that they might have afforded greater confidence to the reader who had not the same previous impressions. p. 350.

Now the reason noted by the Italics in this passage, will be admitted as quite sufficient for the omission of the documents and authorities, in stating such facts as lay within the scope of the author's personal inspection, and in reasoning from them. But the same omission obtains, and reduces the reader to the same dependence on the author's

single authority, in the part of this volume which rapidly and in a spirited manner narrates the progress, by conquest, of the British empire in India. And the prominent object of this historical sketch is to justify all the wars which the English have waged in that country, and espegially to celebrate, with the intensest eulogy, all the miliary proceedings of Marquis Wellesley, the most auspicious star of nobility, according to our author, that ever rose from the western horizon to shed the light of peace and oy on the plains of Hindostan. We should have thought or. T. might have been aware this subject ought not to ave been touched by any man not surrounded by 'docuents and authorities' to the breadth of about a mile square, ad qualified and prompt to lead the inquirer to each, in sturn, of the papers or piles of papers over this delightl area, - if indeed it were not certain that they would th come to their natural death long enough before they d finished the investigation. Declining such research and ference, it was easy for Dr. T. to make a most magnifint epic, in which ambition and valour, though burning the view of glory, are seen waiting with almost the bearance of a couple of quakers, under the solemn resest only when the alternative arrived, unprovoked, of hting or perishing. And then the conqueror displayed a mency unparalleled, as if by a sublime and Christian enge for having been driven to the necessity of con-enge. As to the career of the Marquis Wellesley, never there such a combination of prudence and daring, of mptitude and generous delay, of boundless ambition and si- etilious rectitude. A huge gang of pagan and Mahomeprinces and chiefs, inspirited and directed by the French, leaguing against the British empire; the Marquis, be leaguing against the British empire; the Marquishing sagacity, descried the conspiracy; he doubtless lored it as the approach of war and conquest, he predoction of the left it to develope itself; and then, by his the left it to develope itself; and then, by his the left it to develope itself; and then, by his the left it to develope itself; and then, by his the left it to develope itself; and then, by his the left it to develope itself; and then, by his the left it to develope itself; and then, by his the left it to develope itself; and then, by his the left it to develope itself; and then, by his the left it to develope itself; and then, by his the left it to develope itself; and then, by his the left it to develope itself; and then, by his the left it to develope itself; and then, by his the left it to develope itself; and then, by his the left it to develope itself; and then, by his the left it to develope itself; and then, by his the left it to develope itself; and then, by his the left it to develope itself; and then, by his the left it to develope itself; and then, by his the left it to develope itself; and then the left it to develope itself; and then the left it to develope itself itself. the trals at least, he went, he saw, he conquered. Our hismakes it so clear always that the war was inevitable, o his the part of the British, and that had they delayed its mencement another month they had been undone. Now, the not taking upon us to contradict one particle of will his; nay, we should think it might be probably sur-d, that a Christian government, which has shewn such of ound reverence for the idols of Hindostan, would, vithin for religion's sake, make conscience respecting the reas of their worshippers. But we mean to say, that Dr. id re mot seriously expect that a history, which thus unthor

up

pro

nes

hic

ipp

0

n a

er's

m,

nate

dr

th

prali

dist

0

ceremoniously assumes every thing in favour of the English should be held of the smallest authority. He might surely have considered that such a view of the matter was at an rate a thing to be proved, not to be assumed. And this proof, admitting it to have been practicable, would have re quired such an analysis of a mass of documents, as had been quite out of place in a work like the present; document which, as far as courage has any where been found to pro secute the onerous investigation, have satisfied no exami ner, not predetermined to be satisfied, of the immacular purity of British motives and measures in all the India wars. We repeat, such a thing was not to be assumed unless it were self-evident that the power, which has for many years been fiercely intent on war nearer hom must necessarily be all peace, and forbearance, and mor scrupulosity, in the East, - where conquest was so eas where so many circumstances would furnish commodio pretexts, where the transactions have been, from distant and defective information, so little within the cognizance the national judgement, and where (contrary, we confess, what we have just admitted as the antecedent probability the multitude of the gods, which the English have had piety to revere, has not been clearly proved to reinfor their virtue by a sense of accountableness to divine gover ment. Nor can the rectitude of the martial economy India, during the periods in which it has been direct by the particular individuals whom Dr. T. singles to be invested in the very thickest of his eulogy, be sumed on the strength of the personal qualities, so w known at home, of those individuals; unless arrogances impetuosity are liable to be transmuted into their opposi on the outward bound passage, somewhere between Gran end and Calcutta, and to recover themselves at the sa point of latitude and longitude on the return. A sim law of nature, operating somewhere in the Indian Oce must have been also the cause of the astonishing and fallible foresight which, according to Dr. T., was display immediately on the arrival in India, by his most favou hero and statesman; a personage who gained some note ty, a little while before he went, by an elaborate spe in parliament, demonstrating that in nine weeks preci the French republican armies must disband and dis

Our author's courage, in justifying in the gross they by which we have acquired so large a portion of Asia the more conspicuous, as he accepts for them all the ponsibility which could attach to wars with any other possibility.

declining the benefit of one plausible argument in indication, namely, the intrinsic nullity of the political ights of many of the Indian sovereigns. He admits with gravity the indefeasible claims, the 'divine right' (we appose it must be) of each royal barbarian proprietor of aves, provided he does not hold this possession by usuration from a more rightful barbarian. And he speaks with pparent exultation of the return of the old Mysore dynasty, frough the generosity or policy of the British at the connest of that kingdom, to a semblance of the royal state of hich they had been deprived forty years by Hyder and ppoo. Now when we read of such persons, as Dr. T. and other writers on India describe many of the Mahomen and Hindoo sovereigns and chiefs to be, -miscreants inessantly mad on the plunder and slaughter of one anoer's subjects, practising all manner of oppressions on their m, and as ignorant of all the wise and useful principles governing as the very wolves and hyænas whose approtate virtues they emulate and excel, we know that such mons have no right to be rulers of mankind, in whatsoer manner they have become such; and therefore, if there any great civilized power, that, together with a conm for the security of its own territories, felt a profound really disinterested solicitude to mend the condition of ver miserable population continually crushed and lacerated these tyrants, we are not sure it would be bound, in rect mality, to be exceedingly nice about the manner of delishing their thrones. But as England is not so romana power as to make conquests from pure benevolence, O W approve Dr. Tennant's declining to employ this comice a adious argument, and judging the merits of the contropost by between the British and native powers on the princi-Gran of their having equal right in their respective territoe sa But the question taken on this ground is hopelessly simi olved in all the intricacy created by mutual ambition, Oce entment, intrigue, and encroachment. The Doctor's wiand course, therefore, would probably have been, not to isplay note ance one word about it; but to commence by saying, noto attained, wrong or right, a prodigious extent and power, since, whether acquired wrong or right, no one can preci its relinquishment, it is worth while to examine d dis t effects it has already produced, and what means may suggested for rendering it still more beneficial to the the ! bitants.—Still Dr. T.'s brief narration, if we put its jusf Asi atory purpose out of view, may be of service to some 1 the other p

di

ny

SU

en

th

siv

It

of

son

gan

cou

whi

200

amo

sour

Eur

the e

of ti

ays,

mou

nteri Th

uire

pal

nnei

eopl

om gers

VOU

due

late

readers, as stating the order in which our last Indian wars took place, the powers combined or single that we had to fight, the quick successes, and the wonderful results. The Mahratta confederacy was regarded, on its opening out, as one of the most formidable antagonists that had ever tried the British strength in the East. The British promptly committed themselves to the trial; and the issue to which they brought it, as related in the following sentences, will not at all raise their military reputation, as it amounts to no more than a proof that a brace or two of wild cats are it advised to set upon a lion.

In the short space of three months, a succession of events had taken place, of such importance as completely to change the relative condition of the British empire, and the different states of India. Seven thundred pieces of cannon were taken from the enemy, eight fortresse subdued, either by siege or escalade, their immense armies routed of dispersed, and the force of the French and Mahratta confederate crushed, throughout a territory which extends a thousand mile square.

nation triumphant. On the shores of Guzurat and Balasore, on the mountains of the Deccan, and in the plains of Delhi, her banner were supported with equal energy and spirit, and victory every where con

tinued steadily to follow them.' p. 24.

Dr. T. at length cools from battle and victory, into the recollection, that it is the historian's duty to hint the evil if any such there be, as well as celebrate the good; at we were sincerely gratified to see that his admiration the peerless Wellesleys was capable of admitting, that the pagan cowards might be beaten or frightened at the cost of full as many guineas as the feat was worth.

The future narrator of our late campaigns in the East may p bably remark, that they have been almost uniformly attended with lavish an expenditure. Although the Mahratta war continued only the space of a few months, and the hostilities against Tippoo w concluded with almost equal dispatch, yet a debt had been contract upon the treasury of upwards of thirty millions sterling. Had the operations been protracted by any unfortunate event, or had they lasted the usual period of such immense undertakings, success wo have been doubtful, or rather unattainable from the impossibility commanding a sum adequate to their expence. In India, where rate of interest is so enormous, and where war is an occurrence happily so frequent, its expence must be reduced to a scale more no corresponding to the resources of the country. In the progress of creasing territory, and of annually accumulating debt, our career in A is rapid and dangerous; nor is it difficult to foresee that abyss of truction into which even a series of victories must ultimately le p. 31.

The middle part of this paragraph seems to us no less than an acknowledgement, that those wars were prosecuted on such a scale of expence as would have destroyed the British empire in Asia, by giving the final victory to its enemies, if the course of the war had not proved shorter and more decisive than it was right to reckon upon before the experiment. It is not easy to conceive a more emphatical condemnation of the conduct of a government.-To help the reader to some distant guess at the unparalleled pitch of that extravagance, which, besides consuming the regular resources, could bring such a debt in such a space of time, it is worth while to cite an ill constructed but intelligible sentence from another part, where, speaking of the Mahratta empire while in its full power, he says, 'Its known revenue has been found to amount to upwards of seventeen millions sterling. These resources, however ample, are in India far more efficient than in Europe, for they have been, on experiment, found adequate to he establishment, and constant support of an army of upwards of 300,000 men!' p. 6. Now we are not informed of the extent f the force employed in the war with Tippoo, but Dr. T. ays, 'the army brought into the field against the Mahrattas, mounted to 55,000, after providing for the defence of the nterior!"

The main substance of the work before us does not reuire much comment. Whatever be the good or evil arising this country from the possession of India, (the evil, at least, palpable and flagrant, in the depravation of our moral inciples and political institutions,) no one doubts that the tople of Hindostan are deriving great and growing advantage om our ridding them of the detestable oppressors and ragers, who have been so long exercising their royal right of rouring them. Putting out of the question the mischievous luences on our own nation, we cannot but earnestly wish, atever may become of the Indian sovereigns, and their al divine right of playing the game of Nimrod across a hundred thousand square miles, that the British governnt may become ten fold more consolidated over that counthan it is. It appears the only chance for civilization, luding under the term whatever knowledge is the most ducive to the introduction of the true religion, that has , in the whole lapse of time, been afforded to an immense titude of most wretched slaves of tyrants and superstition. work before us supplies much valuable information of the sures already adopted in favour of that degraded population, of the beneficial effect which has become apparent even ly le in the very short period since the termination of our recent The grand advantage which was to be sought, as antecedent

y pr

nly

O W

tract

id the

ey e WOU

oility

here

ence

re nea

ess of

r in A

and introductory to all others, the putting an end to the state of constant war among the native powers, appears to have been in a great measure secured. Many of them indeed have been pacified by an expedient of the most infallible efficacy, the annibilation of their power, and the absorption of their dominions by the British empire; which would ap. pear to them a more marvellous monster than any in their whole mythology, if nature had not been very parsimonious to them in the article of thinking faculty. Those whose turn is not yet come for making this complete surrender, have been bound to keep the peace by the contrivance, very justly applauded by our author, of a British subsidiary force stationed within their territories, at all times exercising the vigilance, and in readiness to exercise the power, necessary to keep the crowned imps of Moloch in proper order.-The state of the police, and of the administration of justice, has been greatly reformed; and a short extract will shew that it was quite time, and that, saving always the respect due to the regal personages who permitted or promoted the abuses, no measure tending to effect that reform could well be too violent.

When it is asserted that the police of the native governments, and the whole system of their judicial establishments, is corrupt and defective it is not meant that this fact should rest on general averments. Every ste the traveller advances actual proof of the assertion presents itself; must every where meet the corfus delicti in a substantive form. Beyon the limits of European jurisdiction, you can no where pass without almost daily beholding some marauding parties engaged in acts of plunde robbery, or assassination; and, to an European, the punishment of the enormities might appear almost equally lawless and irregular with the commission. The culprit, on suspicion, is hurried away before the mildar, and after a few loose questions regarding his criminality, (perha without even the semblance of a trial) he is mutilated, trod with elephant or beheaded; not so much to satisfy justice, as to appease the vengean of an infuriated chieftain, on his progress through the country, with armed rabble, who assist him to monopolize in his own person the tra of rapine and oppression.' p. 110.

The author describes, at great length, the former condition of the ryuts or cultivators, the new system which has be introduced as to the tenure of lands, and the beneficial results which have already appeared. It is stated that, universal the sovereign was the absolute proprietor of the land, that was held in allotments by officers named zemindars, and the between the claims of the prince and the villanies of zemindar, the cultivator was reduced to the most miser reptile that crawled on the ground. The wisdom of the system, which has vested the property in the zemind

making them at the same time accountable to the British government for their treatment of the ryuts, is argued, pro and con, by our author, who decides that experience has declared in its favour. The ryut, however, after all that has been done for him, is not a person who would appear with any great advantage among the portly farmers of Devizes market.

· The state of the country, as well as the small capital of the farmer in the East, has limited the possession of each occupant to the pitiful extent of about ten or twelve acres; a space of ground so limited, even admitting the profits to be at the same rate as in England, must at once reduce the emoluments of a ryut to that of a most scanty subsistence. The fact is so: there neither is, nor ever was, any thing like wealth or even general plenty among that class of men in any part of India.' p. 111.

The Doctor sensibly discusses several general expedients for the amelioration of the condition of the people, though we rather question with what right, after having (p. 181.) declared 'against all rash and untried experiments among the natives of Asia.' He suggests, however, various methods for promoting their agriculture, manufactures, and knowledge. twas natural for him to take some notice of Missions, which, lowever, he had better have let alone, till he had become officiently informed on the subject to avoid the folly of passng a sweeping sentence of 'ignorance' on our missionaries India, (p. 280.) of asserting that experience has proved good education bestowed on youth to be the only expedient hat has hitherto gained a single rational and sincere conent to our faith,' and of invidiously contrasting schools with he labours of the missionaries, with a supercilious contempt the latter, just as if schools were things of which no misonary had ever dreamed, as if every mission had not been artly and earnestly directed to their formation, and every issionary glad to assist in the management. When the Doclephan engean , with that peculiar air of self-complacency which always with the minds (those of the Hindoos) by the loose discourses ignorant missionaries,' the simple reader would fully con-Ide that nothing like the glimmer of knowledge or learning condin has be seen about any missionary in India; but what would ial result think of the Doctor, when he found out the state of the niversal the lit is not, however, to be understood, that our author and, that one of the enemies of the introduction of Christianity in and th ia; on the contrary, he is sincerely anxious for such a ies of summation of all we have done for the people there; misera he rests his expectations on the operation, in the first of the ance, of more secular means than those which have been zemind sty contemplated by the friends of Indian conversion.

ctive

y ster

f; h

eyon

almos

lunde

of the

th the

the a

(perha

ART. VIII. The British Flora, or a Systematic Arrangement of British Plants. By John Hull, M. D. Second Edition, 2 Vols. 870, Vol. I. Monandria—Polygamia. pp. 330. price 9s. Bickerstaff.

UNCONNECTED fragments of knowledge, though they flatter the vanity of the possessor, are seldom found to increase his happiness or enlarge his powers. To enjoy the pursuits of science, we must not only add to our stock of facts, but know in what manner each new addition is related to our former stock. The fatiguing dulness of elementary learning, is chiefly owing to the difficulty of introducing into the minds new train of ideas, which we are as yet incapable of connecting with what we already possess. Crude incoheren facts, however important in themselves, are nevertheless, if their bearing on ascertained points of science is determined till they are properly arranged in the system of the under standing, mere blots on the map of memory, as useless a

th

ap

the

no

Wit

bot

disc

COV

nun

enri

with

stead

labo

men

the

We |

mer

they are unsatisfactory.

If this is true with respect to the general acquisition knowledge, it is still more so in its particular branches. transient view of the starry heavens may delight and eleva our minds; but how much is our pleasure increased, wh introduced by astronomy to a personal acquaintance with individuals of the splendid company; when our reason exercise itself upon their connexion and their motions, re dering our knowledge at the same time subservient, not me ly to the amusement, but to the welfare of mankind; when we apply the calculations of analysis to the examinat of their courses, and prove, by methods which exert most exalted ingenuity of the human mind, that the cause every apparently accidental deviation from obvious regula is as simple as the fiat which called the system into existen Even the merest trifles, when duly connected, afford a pleas (though in some cases at the expence of more valuable provement) which they never could furnish while contemple only as distinct individuals. A rusty medal, a worm-eaten ma script, a black-letter missal, a tattered etching, a sm painting, a non-descript moth, afford a gratification to connoisseur which gold or jewels cannot supply; and arises not from their intrinsic value or beauty, but the information they convey immediately arranging amidst a system of ideas with which he is conversant, a which he precisely knows its place. It is in a manner very dissimilar, that the most exquisite paintings in m are composed of individual pins or particles, which separately are inconsiderable and unsightly. Whether the lector, however, be a proper object for the lash of the sa

the sneer of the philosopher, the blame of the moralist, and the reproof of the Christian, is a question to be determined by the comparative value of the effect produced and the powers expended. The hours, days, and weeks, which would be most unprofitably spent in embroidering a piece without harmony, keeping, or effect, or in mimicking Chinese ugliness with all the diligence necessary to decypher a manuscript of Herculaneum, might have been laudably employed, no doubt, in the more agreeable recreation of drawing. We can hardly approve the labours of the Dutch collector, who devotes all the energies of his mind to distinguishing and naming the varieties of a single species of tulip, or genus of shells; but it would be unjust to class with him, the scientific botanist, who endeavours to obtain a general view of the whole vegetable creation of his country, or to study its connexion with

that of foreign climes.

wh

h t

1 0 re

me

nau

rt

ause

ster

east ble

mpla

n ma

sm

1 to nd w

ich t

he sal

Formerly, indeed, this required so much labour, and was so imperfectly effected, for want of the assistance of a system to facilitate the arrangement and union of observations, that the extension of botanic knowlege beyond the flower garden appeared rather a toil, than a pleasure; and, unfortunately, the greater the progress the more intricate the maze. We are not afraid of being contradicted by those, who are conversant with the vague and perplexing arrangements of the earlier botanists, when we assert, that it required more labour to discriminate and classify a plant among the number then disovered, than it does, at present, among the infinitely greater number with which the science, since that period, has been enriched. Teaching or learning botany without system, or with a mere outline of the Linnean or any other system, instead of being a compendious way, is mere waste of time and labour; and instead of procuring pleasure, utility, and enlargement of mind, most generally ends either in vanity or disgust, the usual results of superficial knowledge. It is with regret we have seen it produce these effects,—instead of becoming pleasing relaxation from severer studies; a powerful enticement to exchange unnecessary confinement for air and exercise; the means of rescuing many a vacant hour from listless ndolence, or busy trifling; the soother of melancholy, and he preventive of corruption. Convinced as we are that it ails of affording these benefits, principally, because it is not ystematically pursued at first, we welcome a work calcut, at ated to promote the study of botany on rational principles annet with a pleasure, and esteem it of an importance, not measured in my its typographical elegance, its high price, or its originality. onsidering the probable utility of Dr. Hull's little volume, r the esteem it a far more valuable addition to the works published on the science of botany, than Dr. Thornton's splendid folio.

Hudson's valuable Flora Anglica, on account of its age, is naturally deficient in the newer discoveries; besides being locked up from the perusal of many, on account of the pre. servation of the Latin phraseology. The classical Flora Bri. tannica of Dr. Smith, which will probably remain the standard of all future Floras of this kingdom, besides being less generally useful from the cause just mentioned, is not alto. gether calculated for the convenience either of the pockets or purses of many who wish to have a compendium of English botany. And though the accommodation of such as are unacquainted with the Latin language is amply provided for in Withering's Arrangement, yet, notwithstanding the ability with which many parts are drawn up, the execution is so un. equal, its deficiencies and redundancies so considerable, the reformed, or rather mutilated system adopted in the last editions so objectionable, that it stands greatly in need of a thorough revision, -which, however, could not render it, after all, commodious for the pocket. The want of a correct Pocket Flora of Britain, in the English language, Dr. Hull has endeavoured to supply; and the work before us is the first volume, of the much improved second edition of his work. It must be immediately evident, that the very nature of the book precludes the display of great originality. It professes not to exhibit new systems, or hitherto unpublished discoveries; but merely to arrange, according to an approved system, discoveries already made known, substituting an English terminology for the usual technical language of botany.

1. 11

halus

The first part of this duty, Dr. H. fulfils with a laudable, though perhaps overstrained scrupulosity, adhering with religious strictness to the Linnean system. We own, that, though we think Dr. Smith's alterations in the latter classes a material in provement of this system, we are much more disposed to for give the merely transient notice of them by Dr. H. than a sanction the destruction of these, and the foregoing class, a proposed by Thunberg. In general, our author makes Smith is guide, though he still retains several obsolete appellation referring them to their places as more recently determine Hyacinthus, Melissa, Myagrum, Athanasia, Filago, Cralagand Sorbus appear in their old stations, but are referred the genera, to which the British species are found to below The principal deviations from the Flora Britannica, consist the description of Tofieldia palustris as Helonias borealis the authority of Wildenow, the division of the genus Erk

into Menziesia, Erica, and Calluna\*; and the alterations in the class Gynandria, according to the ideas of Swartz in his paper on the Orchideæ adopted by Wildenow. As some of ur botanical friends may not yet have had an opportunity of becoming acquainted with the revolution which this class has undergone, we hope that the following table of the present arrangement of the British species, will not be unacceptable.

## CLASS XX. GYNANDRIA.

ORDER I. MONANDRIA. (no longer Diandria, the supposed true stamens, being now esteemed only two masses of pollen, adhering to the two cells of a single anther.)

ORCHIS. Cor. 5-petalled: upper petal arched. Lip spurred under-

neath at the base. Anthers terminal, adnate.

0. 1. bifolia. O. 2. pyramidalis. O. 3. morio. O. 4. mascula. O. 5. ustulata. O. 6. militaris. O. 7. fusca. (O. militaris &. Sm.) O. 8. hircina (Satyricum hircinum, Lin. and Sm.) O. 9. latifolia. O. 10. maculata. O. 11. conopsea. O. 12. viridis (Satyrium viride. Lin. and Sm.) O. 13.

albida (Satyrium albidum. Lin. and Sm.)

2. Orchidea, spurless.

Office of the style, spurless spreading Anther. terminal, adnate. Office of the style, spurless spreading Anther. terminal, adnate. Office of the style, spurless spreading Anther. terminal, adnate. Office offi

EPIPACTIS. Cor. 5-petalled, erect-spreading. Lip spurless. Anther

lid-like, persisting. Pollen powdery-granulated.

E 1. latifolia, (Serapias Helleborina and Lin. Ser. latifolia Sm.) E. 2. halustris, (Serapias longifolia y Lin. Ser. palustris Sm.) E. 3. pallens,

\* MENZILSIA. Smith ic. ined. Wildenow.

Cal. 1-leaved, repand. Cor. 1-petalled. Filam. inserted into the receptacle. Caps. superior, 4-celled, 4-valved; dissepiments double, formed by the reflected margins of the valves. Seeds many. M. polifolia. Erica Daboecii, Lin.)

ERICA. Jussieu.

600

SVS-

list

oug

2101

h w

lim

o for

ian t

ISS,

Smit

ation

mine

llægg

red

nsist

alis

Eru

Cal. 4-leaved. Cor. 4-cleft persisting. Filam. inserted into the respected. Anth. with 2 pores. Caps. superior 4—8-celled, 4—8-valved: issepiments from the middle of the valves. Seeds many. E. 1. Tetralize. L. 2. cinerea. E. 3. vagans.

CALLUNA. Salisbury.

Cal. 4-leaved, double; inner large, corol-like. Cor. 1-petalled, 4arted. Filam. inserted into the receptacle. Caps. 4-celled, 4-valved,
asseptiments single, arising from the column, inserted into the sutures.
ands many.

C. vulgaris. (Erica vulgaris. Lin.) pp. 111, 112, 113.

(Ser. grandistora Sm.) E. 4. ensifolia, (Ser. ensifolia Sm.) E. 5. rubra, (Ser. rubra Sm.) E. 6. Nidus avis. (Ophrys nidus avis. Lin. Sm.) E. 7. Ovata, (Oph. ovata, Lin. Sm.) E. 8. Cordata. (Oph. cordata, Lin. Sm.)

MALAXIS. Cor. 5-petalled, spreading, resupinate. Lip. concavo-pa.

tulous, ascending. Anther lid-like.

N. 1. paludosa, (Ophr. paludosa, Lin.) M. 2. Læselii, (Ophr.

Læselii. Lin. Sm.)

CYMBIDIUM. Cor. 5 petalled, erect or spreading. Lip. concave at the base, spurless; lamina patulous. Anther lid-like, deciduous. Pol. len globular.

C. corallorhizon, (Ophr. corallorhiza. Lin. Sm.)

ORDER II. DIANDRIA. CYPRIPEDIUM.

ORDER III. HEXANDRIA. ARISTOLOCHIA. (see pp. 250 & seq.)

Bo fee

pro

as t

exe

ente

aith

DOC

now

Art.

sit

an

Among the additions to the genera and species enumerated by Dr. Smith, we notice the following, which will sufficiently prove that Dr. Hull has not been negligent in collecting the observations of others.

Ixia, Scheuchzeria, Oenothera, Paeonia, and Calendula. Salicornia radicans, Valeriana Calcitropa, V. pyrenaica, Ixia Bulbocodium, Schoenus monoicus, S. fuscus. Agrostis fulvus, Briza maxima. Bromus leptostachyos. Avena nuda. Gallium spurium. Sagina maritima. Pulmonaria angustifolia. Anagallis coerulea. Campanula persicifolia. Viola amoena. Chenopodium acutifolium. Gentiana acaulia Juncus supinus. Scheuchzeria palustris. Oenothera biennis, Oe. pumila Epilobium alpestre. Daphne Cneorum. Saxifraga hirsuta, S. Geum. Scleranthus polycarpus. Dyanthus barbatus. Arenaria ciliata, A. fasci culata. Sedum Forsterianum. Cerastium tomentosum. Rosa collina R. Scabriuscula. Tilia parvifolia. Paeonia corallina. Adonis aestivalis Caltha radicans. Orobanche rubra. Alyssum maritimum. Turritis alpi Raphanus maritimus. Althaea hirsuta. Trifolium stellatum. Hie racium aurantiacum. Artemisia gallica. Centaurea jacea. Calendul arvensis. Chara Nidifica, Ch. translucens. Carex Oederi. Salix la ceolata, S. glauca, S. hirta.

To the introduction of several of these, as indigenous to our islands, or as legitimate species, just objections might be raised; but in a work like this, in which practical utility kept more in view, than critical accuracy, the error on the side of exclusion is much greater than on the side of admission.

With respect to the manner in which the botanical term are rendered in English, we are aware that many beginner will complain, that they are as unintelligible as the Landron which they are generally derived. But the fault, we conceive, is not to be ascribed to the translation, but to the circumstance that every science must have a set of terms of it own, which require study, and would equally require even if the words made use of were already current our language. This difference, however, exists in favour

the preservation of the original terms, that, when their meaning is once obtained, each conveys its distinct and appropriate idea; whereas, the ideas attached to the equivalent English terms substituted in their place, must always be liable to a degree of vagueness, from the latitude of signification necessarily allowed the latter in common life. use of an English translation of a scientific work, arises less from the terms being rendered in our own language, than from their being connected according to our grammatical rules of construction and government. In our own opinion, a translation in the manner sketched by Dr. Smith in his Elements of Botany would have been preferable. As the work is professedly for such as are not classical scholars, we highly approve the accentuation of the generic and specific names; which, with a few exceptions, we have found generally corret, and which, we hope, will save our ears some of the tortures from false accents to which they are but too frequently exposed. We wish, however, that Dr. H. had uniformly placed two accents on words exceeding four syllables, as he has done in most cases. His work, upon the whole, is executed with accuracy, diligence, and discretion; and deserves the strongest recommendation to those, who are either entering upon the study of the vegetable creation, or have hitherto only prosecuted it at random, for want of a scientific maket companion in their native tongue.

As the author wishes to wait for the completion of Wildelow's Species Plantarum, and Smith's Flora Britannica, before epublishes his second volume, there is no probability of its ppearing very soon.

valis alpi

ndul

K lan

us t

ht b lity i

on th admis

tern

rinnel

is of 1 uire

rrent

rour

Ant. IX. Philemon, or the Progress of Virtue, a Poem. By William Laurence Brown, D. La Principal of Marischal College and University, Aberdeen, &c. 2 Vols. 12mo. pp. 495. Edinburgh, Oliphant and Co. Longman and Co. Rivingtons, &c. 1809.

I is always unfortunate for the credit of a work, when the pretensions of its first approach are calculated to raise any ind of expectation which a more familiar acquaintance will ot gratify. Horace has judiciously advised the poet, in the roposition of his subject, to be simple and unassuming; and ad he lived in the age when books are bought by their adver-Lati sements, he would perhaps have recommended, that the seign of a performance should exactly correspond with its he cit scription.

The poem before us is called 'Philemon, or the progress virtue.' These appellations, however, we can by no eans regard as convertible or synonymous. 'Philemon' is the progress of virtue, whatever that expression may mean, but the life of a particular personage, who was born of pious parents in the year 1700; and after passing through the discipline of a grammar school, keeping terms at St. Andrew's, and leading a bear over Europe, marries his cousin, settles on a living, and dies respected at the good old age of three score years and ten. It is true, the author has favoured his hero with two or three visions, and placed him under the special patronage of a guardian angel; he has contrived to introduce in the first and second books a summary of sacred and profane history, and a syllabus of university lectures in the fourth: but this management, though highly ingenious, does not, we conceive, quite obviate every objection. A poem that professes ' to trace the progress of virtuous sentiments, principles, and opinions in the human mind,' should converse with general nature, and not with artificial distinctions; and a hero who is to exhibit these principles in a corresponding course of action,' should not be the individual of a class, but the representative of virtuous man. Perhap it may be questioned whether the author, in thus attempting to unite principle and operation, in the same performance, has not subjected himself to needless inconvenience. To the kindling majesty' of philosophical truth the muse is neve insensible, and she willingly veils herself in the softer and more captivating graces of allegorical description. But ver sified biography has seldom, if ever, been attempted wit any tolerable success; and is indeed, of all subjects, in poetical point of view, the most untractably stubborn. No thing in nature can be more plain and straight-forward than the conduct of the poem before us; insomuch that we have bee more than once chilled with the suspicion, that what w originally prose has been done into verse by a subsequen operation.

fx(

fi

had

arl

luti

ran

n v

rm

ode s pe

St

ste

peid

nent

ye'

109

ntroc

atalo

nd n

ook.

ress

10119

ons

0

The Progress of Virtue is divided into ten books, beginning with childhood, proceeding through the several stages youth and manhood, and terminating in death. To confidistinction on his native country, our author has made Philemon a Caledonian. He is born among the Grampian moutains, where he remains till the usual period of going to the university. Here he prosecutes his studies upon the who with laudable diligence. He is betrayed, indeed, into some inaccuracies, from too close an imitation of his friend Eugenia young man of fortune; but is soon rescued by the time succour of his guardian angel. Unfortunately, however, the first ferment of his revulsion, and instigated by the artifut of one Vulpellus, a wolf in sheep's clothing, he composes satire 'on the spirit occasionally observable in the seat learning.' For this indiscreet effusion he narrowly escape.

apulsion: but being once extricated, the rest of his time passes on smoothly. He embraces the clerical profession, and pon leaving the university accompanies Eugenio via England the continent. The scene is now successively transferred the Low Countries, Switzerland, Italy, and France. In his last country, his 'moral principles receive a taint.' His amiliarities with Adele, a Parisian lady, are resented by the injured husband. He receives a challenge: but his guardian angel again interposes, and he avoids a duel by decamping with Gallic precipitation. On his return to Scotland, he is ixed in the pastoral office, and married to Clara, a young ady whom, together with her mother, he had rescued in the first stage of youth' from a state of absolute starvation, who ad been brought up in his father's house, and who had very duties of his office with exemplary faithfulness. His domestic manuality, however, is interrupted by the rebellion of 45; in which occasion he comes out in a new character; cedit togater in the comes; and he 'exhibits heroic valour at the battle of Cultimates, and he 'exhibits heroic valour at the battle of Cultimates, and he 'exhibits heroic valour at the battle of Cultimates, and somewhat injudiciously postponed to the year 1770. Such is the plan of this 'poetical Essay;' sufficiently attensive it must be confessed, and sufficiently fruitful in which the poetical embellishment. Like Aristotle's animal of ten thousand furlongs, the second trace is lost among the multiplicity of subordinate events. The attalogue of feelings in the beginning of the poem, is atalogue of feelings in the beginning of the poem, is nd manners, though not unpleasingly executed, are manistly out of place; and the course of study, in the fourth ning ook, has nothing at all to do with poetry. All this diression partakes of the same littleness, that we have preonly objected to the choice of the hero. The business poetry is to sound the master tones of passion, to seize on obvious and striking circumstances; her representato t ons are recognized by every eye, and her voice finds an echo every bosom. WHO

of the episodes, a minute examination is unnecessary; eigenleir connexion with the fable is not always sufficiently time use; but what they want in this kind of propriety they wer, thaps compensate by their interest; and they are uniform.

calculated to give efficacy to some moral truth.

rtific

poses

seat

escal

The author seems to be most solicitous for the fate of machinery. It is indeed exceptionable, not because it

is marvellous, but because it is improbable; because there is no grand catastrophe which it is to hasten or retard and because nothing is effected by it which might not a well have taken place in the common course of things. The two last objections will not easily be obviated; but the first might have been avoided by adopting the management of Pope, who has judiciously introduced Belinda to her guardian sylph in a morning dream. As for the imp Doulos he deserves no quarter. The vision of Charity is immortant derately long; not to mention that her fiction of Luxur and Pride is copied without acknowledgement from that a Luxury and Avarice in the Spectator. All this celestial in tervention is resolved, in the preface, into allegory, it general it may be observed, that the mixture of allegor with real life is heterogeneous; it startles without pleasing.

the

ly do:

lery

opp

But

infi

eith

for

with

role

Art.

tic

colat

8v

thei

CON

rer his

In the characters, there is little novelty or discrimination. The greatest fault of the poem is superfluous amplification; which presents indistinct images to the mind, as which frequently distorts the thoughts from their natural bias to accommodate the rhyme. The similes are moren merous than select: we are not often called upon to a mire the manner in which they are introduced, and the are almost always tame and spiritless in their application. It is impossible, too, not to notice the prosaic humility diction. Poets in general are glad to avail themselves all the liberties of inversion consistent with perspicuity; elevate what is low, dignify what is familiar, and avoid much as possible those degrading associations which are separable from common forms and idiomatic expression. Dr. B. evidently aims at simplicity: but he has obtained

at the expence of strength and animation.

It would be easy to confirm these remarks by example

a less exceptionable passage as a specimen.

The following portraiture of Christian graces is sketch with tolerable fancy. We have presumed to curtail a lit of its diffusion.

First in the train meek Penitence appears,
With eyes depressed and cheeks suffused with tears.
Then Modesty, still blushing through her veil,
Feels her own work the lowest in the scale:
While mild Complacence, walking by her side,
Observes and tells the virtue she would hide.
Now Temperance, with cheeks where roses blow,
With eyes of sapphire and with breast of snow,

Displays a form which passion never shook,
Each feature placid, and serene each look;
Patience that murmurs not when woes oppress,
And Fortitude that braves, or bears distress,
And Resignation that contemplates ill
To good transmuted by the unerring will,
And Meekness that betrays no angry sound,
And Candour breathing harmony around,
And sweet Simplicity, unknown to art,
That wears an Angel's face, an Angel's heart;
And Piety that spreads her wings to heaven,
Each fault amended and each sin forgiven. Vol. 1. p. 21.

Upon the whole, though our author cannot lay claim to the highest rewards of poetical excellence, he has certainly produced a pleasing tale. It contains many passages, no doubt, which will afford ample scope to the sneering raillery and painful sarcasms of those, who are glad of every opportunity to fling their reproaches at piety and virtue. But the censure, which is dictated by an irreligious and infidel spirit, will not produce much impression, we trust, either on the author or the public. We think it impossible for any one whom it is a credit to please, to read Philemon, without admiring the pure principles and the amiable benerolence that breathe in every line.

Art. X. Observations on Madness and Melancholy: including practitical Remarks on those Diseases; together with Cases: and an Account of their morbid Appearances on Dissection. By John Haslam, late of Pembroke Hall, Cambridge: Member of the Royal College of Surgeons, and Apothecary to Bethlem Hospital. Second Edition. 8vo. pp. 345. Price 9s. Callow, Hayden. 1809.

y;

old

nple

THOUGH the press has teemed with publications on the very interesting subject of diseased intellect, varying in heir merit as well as in their views of the subject, exhibiting considerable ingenuity in their respective theories, as well as lovelty in the modes of treatment recommended, yet little, ery little important information has been supplied. The listory of insanity is necessarily connected with that of the human mind; and while our knowledge of this wonderful part of our composition in a state of health and integrity repains so circumscribed, we can hardly be expected to arrive t such an intimate acquaintance with it when disordered and eranged, as to enable us to proceed with any degree of condence or certainty in our curative attempts. Metaphysics, beology, physiology, and pathology have been long and arhously engaged in this interesting investigation; but, after , the limits which separate reason and madness have never been accurately defined. There cannot be a more striking exemplification of this fact, than we find in a number of individuals, who seem to be heteroclites in society; who, with an exuberance of sense, have a dearth of what is called common sense; whose ordinary deportment differs greatly from that of the generality of mankind; who have scarcely a move. ment or sentiment unmarked with singularity; who, being at large, are only termed characters or geniuses, but, if within the walls of St. Luke's or Bethlem hospital, would be ranked among the most hopeless of incurables, and the placard on each would be tribus Anticyris Caput insanabile. Such subjects are certainly predisposed to the worst species of mental malady, and, after being exposed to exciting causes, are often observed to become permanently insane It is also to be lamented, that, notwithstanding the morbid appearances which have been found in the organ of intelled in those who have died insane, it is impossible to decide which are the causes and which the effects of the disease. I is therefore matter of doubt whether the most simple division of mental maladies, and a practice bordering close upon empirical, would not, in a comparative experiment upon given number of cases, be ultimately the most successful.

More than ten years have elapsed since the first edition of Mr. Haslam's work was ushered into the world: its bulk is materially increased, but whether its value is augmented in a similar ratio may be a matter of doubt. We believe he has ever since occupied a situation, which no other individual in the kingdom can boast; a situation which furnishe the greatest number and variety of cases, and the best possible opportunities of experience. We therefore seized the volume with no little avidity. We anticipated some valuable additions to his former work; but have only found a new proof of the difficulty of writing any thing satisfactory on discusses of the mind, and still find reason to lament that a complete practical treatise on insanity remains a desideratum.

m

the

It

2 63

ind

We now proceed briefly to examine the contents of the volume before us, which, agreeably to established custom opens with a definition of the disease. Here, after observing that there is no word in the English language more deserving of a precise definition than madness, and the difference opinion of most modern authors on the subject, Mr. H. takes some pains to discover the original meaning of the word, but tracing it back to its source. Here, we think, he exhibit satisfactory proof of patient research and much useless ing muity, in attempting what is impossible. For, as the case differ ad infinitum, as no two are exactly alike, and the discrepance results from such a vast variety of circumstance

the most accurate description of one might be very far from appropriate to any other. In treating this part of his subect, the reasoning of the author seems to have been infuenced by the grammatical and metaphysical opinions of Mr. Horne Tooke; and though his speculations are amusing, and in some sense original, they are of no practical importance. As a proof, we offer the following quotation.

As far as I have observed respecting the human mind (and I speak with reat hesitation and diffidence) it does not possess all those powers and culties with which the pride of man has thought proper to invest it. By our senses we are enabled to become acquainted with objects, and we re capable of recollecting them in a greater or less degree; the rest ppears to be merely a contrivance of language. If mind were actually apable of the operations attributed to it, and possessed of these powers, it wild necessarily have been able to create a language expressive of those owers and operations. But the fact is otherwise. The language which haracterizes mind and its operations, has been borrowed from external bjects: for mind has no language peculiar to itself. A few instances ill sufficiently illustrate this position. After having committed an ofnee it is natural to say that the mind feels contrition and sorrow. Conmion is from cum and tero, to rub together, which cannot possibly have by thing to do with the operations of the mind; which is incapable of 1 8 bbing its ideas or notions together. Contrition is a figurative expression, d may possibly mean the act of rubbing out the stain of vice, or wearing own by friction the prominences of sin. If we were to analyze the word now, which is held to be a mental feeling, we should find it to be transmed from bodily sufferance: for the mind is incapable of creating a the m correctly expressive of its state, and therefore it became necessary borrow it from soreness of body—see Tooke's Diversions of Purley, ishe sol. II. p. 207, where sore, sorry, and sorrow are clearly made out to the same word." p08

divi

ner

he cas

the di

stance

It seems clear enough that Mr. H. has no great reverence r the spiritual part of our being, and, it may be, doubts existence. But the philological speculations of which on discretis enamoured, afford no proof that the powers of the come ind are overrated either in number or importance, nor any gument in favour of the materialists. It is not to be supof the osed that the mind can comprehend its own nature, any
uston ore than the eye see itself; still less could it be expected
know its own history, which would involve an absolute
servine thradiction, implying that it was both young and old at
ence to ce. No wonder, then, that the mind should borrow from
the take the objects and bodily feelings, the terms by which
cord, be conveys to another mind the imperfect notion it forms
exhibit its own acts and sensations. Mental and bodily feelings,
ses ingreeners are not the less distinct in their nature because ss ing wever, are not the less distinct in their nature, because s found convenient to express them, if we would be unmood, by analogous or identical terms. Sorrow is still

a very different thing from soreness, though the best idea we can form or convey of the suffering of the mind should be furnished by a comparison of it to that of the body.

The second chapter contains a detail of symptoms, in the description of which Mr. H. is very happy. Here we have the result of large experience and acute observation. He informs us that madness is more liable to occasion defect in the organ of hearing than in any other: that, though he scarcely recollects an instance of a lunatic becoming blind he has met with numbers who were deaf. It is certain, a he remarks, that in maniacs, more delusion is conveyed through the ear than the eye, or any of the other senses 'Those who are not actually deaf, are troubled with diffe culty of hearing and tinnitus aurium.' 'In consequence of some affection of the ear, the insane sometimes insist that malicious agents contrive to blow streams of infected a into this organ. Others have conceived, by means of what they term hearkening wires and whiz-pipes, that various of scenities and blasphemies are forced into their minds; an it is not unusual for those who are in a desponding on dition to assert, that they distinctly hear the devil temp ing them to self destruction.' Indeed there is no sympton more uniformly present, in several species of insanity, that the listening to fancied voices. We have been often su prised and amused in witnessing the ingenuity, the acut ness, and eloquence, exhibited by some madmen in the disputes with imaginary opponents. At page 71 we had one of the most amusing and singular cases, in proof the above statement, that we ever met with, but too lot for insertion. Mr. Haslam also informs us, that the sym toms are influenced by the position of the body; that b dily occupation and exertion seem to mitigate mental st fering; and that, after a long continued paroxysm, the teguments of the head become loose and may be gather up in the hand .- He explodes the generally received of nion that maniacs do not suffer from cold, asserting the they are particularly subject to mortifications of the feet

Our author next defines what has been termed a la interval, than which, no part of his subject is more in resting and important, either in a medical or juridical po of view. On this topic much has been said, and there still much room for discussion: for great contrariety of o nion respecting it still exists, as well among medical as le

men.

The third and fourth chapters are made up of cases, majority of which were published in the former edit The accompanying dissections tend to confirm the obser

tions of other pathologists, that organic disease exists in most In chapter the fifth, Mr. Haslam details the causes of

insanity. Here new reasons are assigned for believing the disease hereditary. He very properly rejects the idea of lunar influence on maniacs. In his division of causes, he

adopts the usual genera of moral and physical.

otor

tha

Sul

the

hav

foc

olo

sym

at b

al su

the

ther

ed of

ng ti

The sixth chapter, on the probable event of the disease, affords much important information, procured from accuate observation, and the records of the institution in which Mr. Haslam has long been an officer. We are willing to low him the just meed of merit, for the treatment of pany parts of his subject; but we cannot pass over in sience his sarcastic remarks on a very important one, in which very enlightened and benevolent mind must feel a peculiar nterest. We refer to his observations respecting the influ-. nce of different religious opinions on the mind, and that pecies of mental derangement which has been termed deotional. Though Mr. H. professes to institute a generous and derant survey of religious opinions, we can give him no redit for liberality. We know enough of the Methodists affirm, that his reflections on their creed are unjust. It is ve, some of the most illiterate of their fraternity have sumed the garb of sanctity and the holy office; and though arly ignorant perhaps of the first principles of grammar, d possessing but a very limited knowledge of their native nguage, yet they have rivetted the attention of their auwries, have enforced the most important sentiments with energy and fluency of speech which their calumniators ald in vain attempt to imitate, and produced an imession of the most salutary nature where the best logic finest style would have been ineffectual. The allusion the assistance of cordials to fix the waverings of belief, unworthy an enlightened mind; and though this conscilous gentleman sarcastically acknowledges his obligatito the 'Faction of Faith,' as he terms the Methodists, the supply of the many cases which have furnished his feet. erience of this wretched calamity, we are of opinion he a lu qualified to treat them successfully. If moral causes re in allowed to produce the diseases in question, moral means al po cure may be admitted; and however competent Mr. there am may be esteemed in the management of other cases, v of o should hesitate before we consigned a friend to his care as le was suffering under 'devotional insanity.' His sentiis, on this part of the subject, savour strongly of the incases, principles which prevail among too many of his proediti on as well as ours; and which render them totally inobser

a very different thing from soreness, though the best idea we can form or convey of the suffering of the mind should be furnished by a comparison of it to that of the body.

The second chapter contains a detail of symptoms, in the description of which Mr. H. is very happy. Here we have the result of large experience and acute observation. He informs us that madness is more liable to occasion defect in the organ of hearing than in any other: that, though he scarcely recollects an instance of a lunatic becoming blind he has met with numbers who were deaf. It is certain, a he remarks, that in maniacs, more delusion is conveyed through the ear than the eye, or any of the other senses 'Those who are not actually deaf, are troubled with diffe culty of hearing and tinnitus aurium.' 'In consequence of some affection of the ear, the insane sometimes insist that malicious agents contrive to blow streams of infected a into this organ. Others have conceived, by means of wha they term hearkening wires and whiz-pipes, that various ob scenities and blasphemies are forced into their minds; an it is not unusual for those who are in a desponding con dition to assert, that they distinctly hear the devil temp ing them to self destruction.' Indeed there is no sympton more uniformly present, in several species of insanity, that the listening to fancied voices. We have been often su prised and amused in witnessing the ingenuity, the acute ness, and eloquence, exhibited by some madmen in the disputes with imaginary opponents. At page 71 we have one of the most amusing and singular cases, in proof the above statement, that we ever met with, but too lot for insertion. Mr. Haslam also informs us, that the sym toms are influenced by the position of the body; that b dily occupation and exertion seem to mitigate mental su fering; and that, after a long continued paroxysm, the teguments of the head become loose and may be gather up in the hand .- He explodes the generally received of nion that maniacs do not suffer from cold, asserting they are particularly subject to mortifications of the feet

Our author next defines what has been termed a had interval, than which, no part of his subject is more interesting and important, either in a medical or juridical polyof view. On this topic much has been said, and there still much room for discussion: for great contrariety of on nion respecting it still exists, as well among medical as less than the still exists as well as the still exists as the still exists as well as the still exists as the still exists

men.

The third and fourth chapters are made up of cases, majority of which were published in the former edit. The accompanying dissections tend to confirm the obser

tions of other pathologists, that organic disease exists in most cases of Mania. The me all the south to singing to sale

In chapter the fifth, Mr. Haslam details the causes of insanity. Here new reasons are assigned for believing the disease hereditary. He very properly rejects the idea of lunar influence on maniacs. In his division of causes, he

adopts the usual genera of moral and physical.

otor

tha

Sul

cute

the

hav

oof

o los

sym

at b

al su

the i

The sixth chapter, on the probable event of the disease, affords much important information, procured from accurate observation, and the records of the institution in which Mr. Haslam has long been an officer. We are willing to llow him the just meed of merit, for the treatment of nany parts of his subject; but we cannot pass over in sience his sarcastic remarks on a very important one, in which very enlightened and benevolent mind must feel a peculiar nterest. We refer to his observations respecting the influ-. ence of different religious opinions on the mind, and that pecies of mental derangement which has been termed deotional. Though Mr. H. professes to institute a generous and derant survey of religious opinions, we can give him no redit for liberality. We know enough of the Methodists affirm, that his reflections on their creed are unjust. It is we, some of the most illiterate of their fraternity have sumed the garb of sanctity and the holy office; and though arly ignorant perhaps of the first principles of grammar, d possessing but a very limited knowledge of their native nguage, yet they have rivetted the attention of their auwies, have enforced the most important sentiments with energy and fluency of speech which their calumniators ald in vain attempt to imitate, and produced an imession of the most salutary nature where the best logic finest style would have been ineffectual. The allusion the assistance of cordials to fix the waverings of belief, unworthy an enlightened mind; and though this consciather lous gentleman sarcastically acknowledges his obligatied of to the ' Faction of Faith,' as he terms the Methodists, ng th the supply of the many cases which have furnished his feet. berience of this wretched calamity, we are of opinion he a hu qualified to treat them successfully. If moral causes re int allowed to produce the diseases in question, moral means al pol cure may be admitted; and however competent Mr. there lam may be esteemed in the management of other cases, v of o should hesitate before we consigned a friend to his care i as le was suffering under 'devotional insanity.' His sentiis, on this part of the subject, savour strongly of the incases, principles which prevail among too many of his proediti on as well as ours; and which render them totally inobser OL. VI.

competent to enter into the feelings and reasonings of this class of patients, or successfully 'minister to a mind diseased' It is not to be expected that men can appreciate such an expression as 'a wounded spirit,' even in the mouth of an unprejudiced dispassionate Christian, who seem to live as if there were no God. Neither fearing nor worshipping the omnipotent Being, they might with more propriety be pitied as insane, than many humble penitents or sincere believers inordinately oppressed with a sense of guilt and dread of punishment. It has been doubted by judge equally competent with Mr. Haslam and much less prejudiced, whether the term 'religious melancholy' be proper since (without maintaining that all maladies of this descrip tion should be ascribed to physical disease) it may ver reasonably be suspected, that the melancholy uniformly arise from the want of religion, and that therefore what he been termed devotional insanity may more properly b called melancholy arising from the absence of religion consolation. We therefore cheerfully assent to Mr. H.'s pro position, that it is sinful to accuse religion, which preserve the dignity and integrity of our intellectual faculty, wit

being the cause of its derangement.

The remainder of the work, is devoted to the important subjects of Management and Medical Treatment. Here have much that is valuable, but very little that is new; e cepting some observations on diet, and objections to t practice of spouting or forcing food or medicine upon m niacal patients, with a drawing and description of an instr ment for the latter purpose, which, we understand for practitioners who have employed it, deserves the comme dations bestowed on it by the inventor. In speaking of medies, Mr. Haslam seems unnecessarily severe on Dr. Co from whose publication on the same subject he has fill some pages of his own. He reprobates the Doctor's pr tice of swinging, and deceiving his patients in some cas and ridicules the idea of benefit expected to arise fr continued intoxication in others; but we must confess see nothing incredible in Dr. C.'s assertions or inadmis ble in his reasoning; and as Mr. H. does not appear have proved, by the result of observation or a detail facts, the futility of means recommended from actual perience, he is hardly warranted by the usages of scient men or the laws of philosophizing, to support his object simply by ridicule. Indeed his method of ridiculing, is the humblest kind; instead of his own wit, he contents h self with giving Dr. Cox's words in Italics. On the ject of emetics, Dr. Cox seems completely at issue with

Haslam; we think the latter, however, has been scarcely just or accurate, when he asserts, (p. 333.) 'In reading over the cases related by Dr. C., there is no one where emetics have been solely employed as agents of cure; they have always been linked with other remedies;' for, upon referring to Dr. C.'s book, we find no less than three cases (pp. 105, 106, and 107) in which emetics alone were successfully employed. We must here conclude our obervations on Mr. Haslam's book; which, notwithstanding many instances of defective tyle as well as reasoning, and illiberal sarcasms on contempoary authors, is a valuable publication on a very interesting lass of maladies. We can recommend it, as being a producion of talent and industry, attentive observation and long exerience. Though no new modes of practice are detailed, or much valuable addition made to our stock of resources the treatment of diseases of the mind, yet we do not esitate to pronounce Mr. Haslam's work the best practical reatise extant on the subject of Insanity.

n. XI. Two Letters to "a Barrister," containing, Strictures on his Work, in Three Parts, entitled, Hints to the Public and the Legislature, on the Nature and Effect of Evangelical Preaching. By a Looker on. 8vo. pp. 59. Price 1s. 6d. Black, Parry and Co. 1809. WE find little to complain of in this pamphlet, except that it comes too late. The author entered upon his task with many advantages, d some of them peculiar to himself; with a vigorous and cultivated ind, with considerable observation of life, and with an attachment genuine religion, not derived from early prepossessions, but from candid examination of a mature understanding; it is some advange, also, that he holds himself distinct from the Calvinists, and may refore be regarded, when speaking of their creed and character, as an biassed witness. He has produced a temperate, rational, concise, and stactory answer to nearly all the Barrister's misrepresentations; the to of which, on readers in general, will be not a little increased, by mankness with which he concedes some unimportant points to his anomst, and the respect in our opinion excessive) which he avows for 'ability as an advocate.' He gives the following character of the k he undertakes to answer.

rtat

re w

) th

n m

nstr

of r

r. Co

s fill

s pra

cas

se fr

nfess

admi

ppear

etail

tual

scient

object

ng, 15

ents h

the s

A plenteous assortment of quotations from well-meaning but incausively, and to enhance their value; these unfortunate quotations, too, set with all the aid which the typographical art could furnish, to give a reinvidious construction to the obnoxious passages: a little pompous far-fetched ratiocination about possible improbabilities, and idle specious respecting effects, which never have, nor are ever likely to take these are the precious materials, which, hashed up with a profusof the most barefaced scurrility, and the most insulting personation of the sum and substance of your much vaunted performance.

We select two paragraphs, respecting the Barrister's mode of treating the religious magazines and the writings of Bunyan, as a specimen of

his neat and conclusive manner.

It may be easy to extract from the periodical publications circulated amongst Evangelical Christians, a few instances of weakness and absurdity, and to discover in the character and manners of some of the good people, many ludicrous eccentricities: but these are, for the most part, harmless exuberances of feeling, which lead to no moral obliquity. It could be wished, indeed, in every case, that while the affections gave energy to the character, these should, in their turn, be subjected to the control of the rational faculty. But this happy union of lively feelings and chastened judgment falls not often to the lot of erring humanity. p. 27:

The extracts which you have made from Bunyan's writings, with your own typographical illustrations, serve rather to betray the impurity of your own mind, than to prove a want of delicacy in the original author. A prurient and libidinous imagination will never be at a loss to give an offensive import to a passage, which may have been written with the

purest intent, and the utmost simplicity of heart.' p. 50.

Some of our readers, perhaps, may find individuals among their as quaintance, who are weak and ignorant enough to be the Barrister dupes—to admit his quibbles, believe his falshoods, tremble at his threatenings and prophecies, and conceive an abhorrence for the worthiest of their countrymen, on account of the acknowledged strictue and imputed depravity of their morals; such readers, we think, will depend to call in the Looker-on.

Art. XII. Satan's Devices exposed, in Four Sermons, by the Re Thomas Knowles, B. A. Curate of Humberstone, in the County Lincoln. 8vo. pp. 96. Price 2s. 6d. Crosby, Baynes, Seeley, &

MR. Knowles has our thanks for this excellent little volume on a mo important subject. It is adapted to the instruction and comforted large portion of professing Christians. The language is plain, but I vulgar; the arguments are close and perspicuous; and the whole ke the stamp of much good sense and piety. These sermons deserte wide circulation, and, if printed in a cheap form, might be distributed w great advantage among the poor. Mr. K. seems to have acquired the of communicating instruction to the unlearned; and if humanity Christian benevolence are not empty sounds, the cultivation of this an intitled to higher praise than the greatest proficiency in philosophy metaphysics. The only instruction which the greater part of a congre tion can receive on subjects of importance too vast for conception, " be received through their minister. Shall this minister, then, obsequious pay his homage to half a dozen of his congregation, whom he image to be of more importance than all the rest, in hopes of obtaining, 10 turn, a reputation for science and taste, and send empty away the who are looking up to him for the bread of life, and who are perish for want of knowledge? Let shame burn the face of such a man cinder! A day will come, when a kind and condescending attention the poor of Christ's flock will be duly appreciated, and the wretch,

has bartered the purchase of the Redeemer's blood for the pitiful applause of a vain mortal like himself, shall meet with his merited infamy! When will Christian ministers think the boast of the holy apostle their highest praise? "In the church I would rather speak five words with my understanding, that I might teach others, than ten thousand words in an unknown tongue." We have been led into these remarks by the plain, condescending, and affectionate style of the sermons before us. ere all founded upon the same text (2 Cor. ii. 11), "We are not ignorant of his devices." The following is a summary of particulars which they contain. Sermon I. Young persons tempted to believe, that they are too young to be punished for their sins-that it is soon enough yet for them to repent. Others, that God is too merciful to send any one to hell, that as they have done nobody any harm, they are in no dangerthat if God does not give them grace, they are not to blame for living in sin-that as Christ died for all, they are sure to be saved by his deaththat if they are prosperous, they must be favourites of heaven-and if they are afflicted, their sufferings here will exempt them from punishment hereafter. Sermon II. The Christian harassed with blasphemous and wicked thoughts, with fears that his day of grace is past—that his past experience is a delusion—and that he has sinned against the Holy Ghost. Sermon III. The Christian tempted to fear,—that as he knows not the particular time of his conversion, he is not in a state of acceptance with God -Others tempted to rest in sudden and powerful convictions, whilst they shew no fruits of real conversion—others think that it is an easy matter to get to heaven—that there is no need to shun worldly company and worldly pleasures—but on the contrary, that it would be more useful to society, and more ornamental to religion, to associate freely with the world. Sermon IV. Satan assaults the church of Christ by stirring up violent persecutions against it—by exciting calumny and reproaches against pious Christians and by raising up false professors and false teachers. Mr. K. has ansounced that he has in the press "Eighteen sermons, or short and plain discourses for the use of families." We hope to find these sermons deerving of a place among the very few which are really proper for this

but a

eserre

ted W

the

nity a

is all

congre

100, 1

sequiou

imag

ng, in the f

perish

man

ttentio

etcha

Ant. XIII. The Friendly Call of Truth and Reason to a New Species of Dissenters; to which are prefixed a Few Observations on the Expediency of Parliamentary Interposition duly to explain, and if necessary to amend the Act of William and Mary, commonly called 'The Toleration Act.' By the Rev. Edward Barry, M. D. 8vo. pp. 150. price 1s. Rivingtons.

Clergy of the Archdeaconry of Berks, at the Visitation holden at St. Helen's Church, Abingdon, on Wednesday the third of May, 1809. By the Rev. Edward Barry, M. D. Rector of St. Mary, Willingford. 8vo. pp. 26 price 1s. Rivingtons.

M. D. before the Rev. the Archdeacon and Clergy of Berks, at the Visitation at Abingdon, May 3, 1809. By J. Raban. 8vo. pp. 44. price 1s.6d. Williams and Co.

THE 'new species of dissenters' addressed in the first of these publications, are those who partially or totally give up their attendance

on divine service in certain churches of the establishment, because they think the pulpit is made to contradict the desk, the general strain of the religious instruction not being congenial to the articles of the church and the doctrine of the Bible; or because the practice of the minister compels them to question the sincerity of his faith. Dr. Barry would certainly have been well employed, (not indeed in recommending an infringement on religious liberty) but in attempting to shew, by a fair state ment of facts, and a correct train of reasoning, delivered in a tone of liberality and respect, that such 'dissenters' had no substantial ground for discontent and secession. If this was his design, we have only to regre his unfortunate failure. We are apprehensive that the persons he ad. dresses would be but too ready to contend, that many of his statements are unsupported and erroneous, that he grossly misrepresents their opinions, that his argument is loose and sophistical, and that his spirit is arrogant, disingenuous, and uncharitable toward the dissenters, but insinuating and sycophantic toward his superiors in the Church.—In another res. pect, however, he appears to have been more successful. The Sermon under review informs us, that he has (in consequence, he presumes, of his 'Friendly Call') been presented to the living of St. Mary's, Walling. ford. In vain, it seems, was a very earnest and unanimous application made to the Lord Chancellor (Eldon), by the congregation and body corporate, in favour of another clergyman: 'the Chancellor,' says Dr. B. in language equally elegant and modest - 'the Chancellor, with that ability of discernment and integrity which direct his conduct, was not to be influenced in his choice by this sort of meddling; but was pleased, very unexpectedly on my part, to have the presentation made out in my favour; and what stronger proof can be required of the Chance lor's ability of discernment and integrity', or what likelier method conceived of preserving the parishioners and body corporate unshakening their adherence to the Church? The Sermon, from the text so often assumed to be applicable, Matth. xviii. 7. is a piece of dull, ill written in vective against heretics and schismatics, dissenters, methodists, and 'evan gelical preachers'; in which Dr. B. recommends, inter alia, that on every building 'licensed' (he should have said 'registered') for public worship these words should be affixed in large letters - This is a TOLERALE MEETING HOUSE!' He also begs his reverend brethren to act wish the post allotted to' them, &c. and with no great delicacy introduce his account of the transactions at Wallingford.

Mr. Raban forcibly exposes some of the blunders and absurdities of the Doctor's Sermon, animadverting successively on 'its theological errors its defective morality, its misrepresentation of the inhabitants of Wallingford, and its illiberality toward the dissenting body at large: and though he appears to have formed a tolerably accurate estimate of Dr. B's pretensions as a scholar, and a divine, he is cautious not to imitable this example by violating the rules of decorum. Possibly this circum spection may partly be attributed to the warning or threat said to be given by Dr. B., that he would proceed in the Spiritual Court again any one who should comment disrespectfully on his preaching or charater! This could not, however, be any reason for omitting to note the earnest endeavours of Dr. B. to reconcile the malcontents to

intemperate clergyman, (Friendly Call, p. 97.)

Resisting every temptation to venture any remarks, that might be cenmed as personal, we only beg leave to recommend the clergy who are
mid to have requested the publication of Doctor Barry's discourse, to
peruse Mr. Raban's Strictures, and (if possible) to obtain a sight of
the learned Doctor's inestimable Letters to Mrs. Mestayer, (12mo. price
for 1794) which lately afforded us so much entertainment, that we
lament the morbid excess of modesty which induced him to omit them
in the list of his publications. What they would chiefly admire in this
work, we apprehend, would be the biographical hints relative to the
regularity of his education, graduation, and ordination, the singular deleave and good sense with which he addresses his fair correspondent,
the profound veneration he manifests for the heads of the establishment, and his amiable acquiescence under their neglect of his claims to
preferment:

Art. XVI. The Conquest of Canaan, a Seatonian prize Poem. By George Pryme, Esq. M. A. Fellow of Trinity College Cambridge. 4to. pp. 24. price 2s. Cadell and Davies. 1810.

WE have read this poem with much pleasure. Mr. Pryme displays considerable taste in the selection of his topics, and imamation in adorning them; and, though too little prominence, perhaps, given to the principal subject, the parts are upon the whole judiciously disposed. The descriptions do not always strike us as possessing distinctive propriety; but the following passage, the conclusion escially, deserves commendation. It refers to the command of universal suppation.

sed,

n nty

ncel

ken ii

often

en in-

evan

every

orship

RAIED

Wisely

roduces

dities of

errors

of Wal

e: and

e of Dr

s circum

id to

t again

or chara

to noue

nts to

One common fate: the snowy locks of age
In dust and gore lie clotted: nor the blush
That mantles on the lovely virgin's cheek
Alternate yielding to the paly hue
Of blanching fear; nor the mute eloquence
Of helpless infancy, that playful smiles
In its destroyer's face, can mercy find.
Haply some generous foe one moment stays
His lifted hand; from pity's soft controul
One moment pauses; till the dire command
Rush to his mind; he turns his head away
And with a sigh inflicts the mortal wound, pp. 15—16.

A sentence or two, in vindication of the 'dire command,' would not been useless or impertinent.

r. XVII. Strictures on Clerical Education in the University of Cambridge. By the Rev. W. Cockburn, Christian Advocate, and late fellow of St. John's College. Svo. pp. 36. Price 1s. Hatchard, Longman and Co. 1809.

onscience, whether he has done the church or the world much service hristian Advocate. He could therefore hit upon nothing better, than speat the popular cry, The Church is in Danger. On this subject

we must own Mr. C. appears to us to have made but few additions to his stock of knowledge, since the memorable time when he declared, in addressing seceders from the church, that he could not learn who they were, in what they differed from each other, or why they separated from the establishment! No other man of reading or observation would have hazarded the opinion, that 'the dissenters universally prefer pastors without learning to those who have any!' p. 13. There are some points, however, in Mr. C.'s pamphlet, that deserve attention from the guardians of our Establishment. Aware, it seems, that the increase of separatim is in a great measure owing to the deficiency of learning, talents, and eloquence in the clergy, to which alledged deficiencies he should certainly have added, as the most important, so far as it may be found to exist, that decealous piety,—he recommends the University—

First, to be more circumspect in granting testimonials for orders, and to promulgate some general and irrefragable law on that important subject. Secondly, to encrease the necessity of religious study among the under graduates, by granting no degrees to those who are void of ecclesiantial information; Thirdly, to offer some stimulus to batchelors, to induct them to proceed ardently in such pursuits; Fourthly, to require a masters of arts; Fifthly, not to grant fellowships at so early a period a at present; Sixthly, to allow none to retain their fellowships about twelve years. P. 34.

From the general style of the composition, we presume it is not though necessary for a Christian Advocate to be eminent for vigour of intelled or delicacy of taste. The following is perhaps the most eloquent passage in the pamphlet, and those who admire it for grammatical correctness, we doubtless be delighted with its rhetorical beauty:— when the higher Alps of literature is within sight and within reach, the unfatigued travelest stops suddenly, stands still awhile, and then sinks back gradually into a wale of idleness and ignorance. From this exquisite morsel, we may learn, that Alps' is a singular noun, that the way to literary eminence through idleness and ignorance, that a man of letters may if he please by sufficient exertion specome both idle and ignorant, but that, if he resolved to stand still and do nothing at all, he may remain as wise as as industrious as ever!

Art. XVIII. A Charge delivered to the Clergy of the Archdeacony Sarum on the 11th 12th 13th and 14th, days of July, 1809. the Rev. Charles Daubeny, Archdeacon of Sarum. 8vo. pp. 38.ph. 1s. Rivington. 1809.

In this discourse, Mr. D., after lamenting with becoming pathos is melancholy increase of schism, enters at some length, and with lerable candour, into an examination of the 'charges which are a generally brought against the established church.' These he thus reducible to two, 'want of zeal, and want of fidelity.' Mr. D. is as some readers might presuppose a bigoted advocate: he does altogether deny the existence of such defects, but he conceives the cusations are too unlimited. As the best refutation, he exhorts his rend auditors to increased diligence and fervour in the discharge

at the Back of

their sacred functions. The discourse is not quite free from impurity of doctrine, though much less turbid than some of this author's previous publications might lead us to expect. Mr. D. appears to clanify as he proceeds, and we are not without hopes that he may in time write himself into the true faith of the English church. He is still, however, a zealous opponent of that 'most absurd principle, the right of private judgement in matters of religion.'

Art XIX. Letter from the Right Honourable Lord Grenville to the Earl of Fingall. 8vo. pp. 16. price 1s. Stockdale. 1810.

PHIS letter has been already extensively circulated in the new-papers, but is well deserving of republication in a more durable of the object of the noble writer is, to dissuade the Catholic perioners from partial and precipitate decisions; and, in particular, to extens his regret at the rejection, on the part of the Irish Catholics, the proposal to vest in the crown a negative on the appointment of inhops: a refusal, he observes, which can only tend to revive expiring rudices and throw difficulties in the way of future discussion; which infessedly is not required by any fundamental tenet of faith, and which, the present posture of affairs, is peculiarly unseasonable and embarrasty. Disclaiming all party views, and regarding the extension of hights to the Catholics, not as a single unconnected measure, but an object affecting the union and welfare of the Empire, his Lordinia anxious to expose the impolicy of a punctilious attention to the tates of party prejudice or private opinion.

Much,' he observes, 'must be done for mutual conciliation, much for mon safety; many contending interests must be reconciled, many lousies allayed, many long cherished and mutually destructive prejuteradicated.'—'By a systematic and comprehensive arrangement alone, all the various difficulties be surmounted which on every side emeast this extensive subject. To be effective and permanent, such an agement must be mutually satisfactory.'

ellec assig will igher avelle

nto th

e ma

ence

olease

he

ise at

H AA

conry 19.

thos I

are a

he thu

does !

ves the

ts his re

scharge

We hope no secret aversion, on the other side of the water, to an arement 'mutually satisfactory,' has been the real motive for throwing an impediment in its way. Like every thing else from the pen of digrenville, this letter is written in a strain of nervous eloquence, and ted by a spirit of dignified moderation.

XX. Candour and Consistency United; or Considerations on some portant Duties connected with the Belief of Evangelical Truth. 12mo. 165. Price 3s. bds. Williams and Co. Button. 1809.

Christians—those who maintain the exclusive propriety of baptism on fession of faith,—is not written in a sectarian spirit. Its principal is are to point out the duty of believers to unite with some Christian by, to induce those who believe the doctrine in question to act in mity to their belief, and to persuade such as have so acted to unite a society holding the same tenet as themselves. Besides a variety enations on these topics, there are some useful hints of a more genature, on the duties involved in church membership. The author's are and moderation will be approved by many who may deem his inaccurate, or his reasoning feeble. Christians of his own persua-

sion, who think consistency of any importance, may do well to reflect upon his suggestions.

Art. XXI. The Obligation and Utility of Public Worship: a Discourse delivered at the opening of the Old Jewry Chapel, Jewin Street, December 10, 1809; and published at the Request of the Society. By Abraham Rees, D. D. F. R. S. 8vo. pp. 27. Price 1s. Longman and Co. 1809.

A PLAIN unimpassioned discourse, less chargeable with faults of commission than of omission, is just what our readers would expect on a subject of this nature from Dr. Rees. His text is Neh. x. 32. We will not forsake the house of our God. The grounds of the determination, in this particular instance, are stated to be, a becoming deference to the judgment and practice of wise and good men, a sense of duty (on which topic the preacher is remarkably concise,) a desire of personal improvement, a regard to the honour of God and the influence of religion, and a principle of benevolence toward our fellow creatures. To those who inquire what other reason, than the peculiar occasion on which this discourse was preached, could have suggested the request to publish it, we are afraid we should not find it easy to give a satisfactory answer.

Art. XXII. The Examiner examined, or Logic vindicated; addressed to the Junior Students of the University of Oxford, By a Graduate. 80 pp. 57. price 2s. Oxford, Cooke; Mackinlay. 1809.

ADDISON has happily compared the blemishes of Paradise Los, spots in the sun. The allusion is not perhaps quite so applicable to Mr. Kett's 'Logic made easy;' but we think yet that the graduation has pored upon its 'errors' through a somewhat magnifying mediation vindictive an anxiety to expose them. The examination, bear a good deal of temporary wit, contains some judicious observation on the subject in general; and while we acquit the writer of intentional malevolence, we cannot but regret that one who wields we equal dexterity the weapons of serious argument and sportive satisfied have so seldom allied his wit with good humour, or enjoy his victories with moderation. The complete flagellation he has been towed on the indefatigable Mr. Kett, must be allowed to protect pains taking gentleman from the discipline we had intended for him to selves.

Art. XXIII. England the Cause of Europe's Subjugation, addressed the British Parliament. Svo. pp. 28. price 1s. Johnson. 18

Parliament, that the obstinate rejection of pacific overtures on part of England, rather than the ambition or rapacity of France the real cause of 'Europe's subjugation,' the writer of this part discusses with great earnestness the policy of the several coalitions the year 1799; and while he accuses the friends of Mr. Fox of has by timid compliances deserted the principles of their leader, upb with sufficient harshness of invective the war system of Mr. Pitt his successors. In attempting to administer his unpalatable documents.

the anonymous prescriber evinces a laudable zeal for the recovery of the patient; but without doubt he has greatly miscalculated his influence with the patient's executors.

An XXIV. An Oration delivered on Monday, October 16, 1809, on laying the first Stone of the New Gravel-Pit Meeting House, in Paradise Field, Hackney. By Robert Aspland, Minister of the Gravel-Pit Congregation. Published by Request. 8vo. pp. 18. price 1s. Longman and Co. 1809. source of that the beating or vitagent atone for any trivial inaccuracy. It does not appear,

IF any of our readers give Mr. Aspland credit for extraordinary talent, or even for ordinary modesty, the announcement of this Oration' may excite expectations which it is our duty to remove. is pretensions to a high rank among literary performances induced is to hurry through its flimsy and affected paragraphs with the hope of finding at length some symptoms of genius and originality. An gration, we naturally thought, must be distinguished by novelty or force sentiment, by splendor of imagery, or appeals to the heart me We low find, to our mortification, that this idea of an coration is exceedmy incorrect; and that we must admit, with becoming deference to h. Aspland's authority in that a neommon place harangue terminating ith a most aukward daboured, and puerile sally of rhetorich (which orthodox dissenting minister, if he had ventured to publish at all, ould have called an Addrest, ) may with great propriety, it it come on one of a more rational order, be classed with the productions of icero and Bossuet.

da

who

d t

800

ost, t

pplica raduat

nedia

ct, a

besid

rvatio

f inte

ds W

ve sau

enjoy

has t

otect

him 0

dressed

n. 18

the Bri

ures on

France

is pamp

alitions s x of ha

ler, upb

Mr. A. takes great credit to himself and his party for the simplicity their faith, holding, 'professedly and as a body, no articles which not, and have not been always, held, by the universal church. is probably the superior simplicity of the Deist's creed which has oved so irresistibly attractive to a large proportion of Unitarians. A. tells us that his communion is open to all that are sound character; not meaning, we hope, to be so puritanical as to intert any thing unsound, but what is punishable by the laws of his untry. It seems obvious that there is nothing in the constitution an Unitarian church, which should prevent decent and sober Musmen from being its members, and (if there were any temptation to from becoming the majority and appointing the minister. Mr. A. ceeds to inform us that in his opinion the worst heresy is a wicked and this, we believe, is rather a popular notion among his party. fortunately, there is not much sense in it; because a wicked life is heresy at all. Error in practice and error in principle are both bad, but they are very different things. Neither is it true that icked life is necessarily worse than a heresy, unless it be true a particular evil effect is more baneful than to general evil printending to produce a vast number of such effects. If Mr. and mean to insinuate that a wicked life is not held, by other minations of Christians, to disqualify a person for communion as as a reputed heresy, it becomes him to produce his proofs, or effect attentively on a very wholesome and necessary hint of his with which, as the best passage in the 'Oration,' we shall now Ar. Pitt us it: 'least of all persons,' says he, should we be excusable, if le docu my uncharitable sentiments or deeds we brought upon ourselves the e of ligotry.

Art. XXV. Sonnets, and other Poems. By Martha Hanson. 2 vols. fcp. 8vo. pp. 350 price 14s. bds. Mawman 1809.

COME of our fraternity have insisted, we think too rigorously, that even a lady should not venture to publish till she has made a tolerable proficiency in grammar and spelling. We will not be so unreasonably sensurious,' but freely admit that the circumstances which now leads to print' a couple of volumes of sonnets and other poems, may be so urgent as not to allow of the delay which in other cases we should earnestly recommend, or that the poetical talent they exhibit may atone for any trivial inaccuracy. It does not appear, however, that our fair author can take shelter under either of these apologies. Bu If any of our readers are not sufficiently pestered with manuscript poetry of the same kind from the portfolios of their friends and ac. quaintance, we sincerely hope that nothing we have said or omitted to say of this neat publication, will dissuade them from adding it to their other needless and harmless luxuries. They may form some ide what a treat they will have, from reading a few of the titles; Stanzas supposed to be written among the ruins of an Abby in Scot. land," Sonnet to the spirit of my infant years," To a friend who came on the eve of the new year to pass a few days with us, 'State zas to a grey linnet which had been shot in the wing, and sung be fore it had been caged three weeks, the author having prevented in being thrown to the cat by a servant, Stanzas supposed to be writen by a lady, on being wished many happy returns of her bink. more ranonal order, be classed with the production symb

Arti XXVI of The Hospital, a Poem. Atto ppei 23 oprice 2s. Longman and deline, boding, professe 01810 a body, no article which

Of the author's professional capabilities we see no reason to doubt and he displays occasional gleams of poetical talent; but he has go hold of a most unfortunate subject. It is impossible to read his invocation to the muse, and be serious.

n pr

noisuite. The spacious stairs, and walk the upper wards.

If these lines, however, are laughable there, are others so miserall dislocated that it is quite shocking to look upon them.

Misfortune chains them to their bed, and cheer

ar old bTheir fainting souls' ur same doum

Rotation pass the numerous poor who fill
The spacious hall'

Convulsion shakes thy tortured frame. Reason

Maintains her power, &c.

You for the aid you lent the nymph when she,' &c.

How many books are to follow this 'specimen,' or how many we remain to be sung, we are unable to conjecture: but we cannot, incomon humanity, encourage the muse in her perambulations, till she acquired some tolerable expertness in the use of her legs.

## ART. XXVII. SELECT LITERARY INFORMATION.

Gentlemen and Publishers who have works in the press, will oblige the Conductors of the Eclectic Review, by sending information (post paid,) of the subject, extent, and probable price of such works; which they may depend upon being communicated to the public, if consistent with its plan.

The Rev. William Bawdwen proposes publishing by Subscription, in ten volumes, quarto, a literal Translation of the whole of Domesday Book; with the modern Names of Places, adapted as far a passible to those in the Record. An ladex will be given to each County, and a Glossary with the last volume. Too Guineas to be paid on the Delivery of each volume. Any one volume may be subscribed for separately. The volume already published, contains the County of York, including Amounder-Lonsdale, and Furness, in Lancathire, and such parts of Westmoreland and Cumberland as are contained in the Survey; and also the Counties of Derby, Nottingham, Rutland and Lincoln.

C.

to

lea

3;

.tot

vho

tan-

be

108

tten

irth-

and

47.10

aise.

oubt,

s go

is 10

y Wa

t, in a

she

Mr. Thomas Haynes has in the press, new and interesting Discoveries in Horticulture, as an improved system of propagating Fruit-trees, Ever-greens, and deciduous ornamental Trees and Shrubs. Jesse Foot, Esq. Surgeon, is preparing by publication the Lives of Andrew Robinson Bowes and the Countess of Strathnore his Wife.

The Rev. W. Kirby, A. B. F. L. S. Juthor of Monographia Apum Angl. and Mr. W. Spence, F. L. S. are engaged a preparing an introduction to Entomogy, which is in a state of considerable brwardness. The plan of the work is opular, but without overlooking scime, to the technical and anatomical epartments of which, much new mater will be contributed. Its object, after oviating objections and removing predices, is to include every thing useful interesting to the Entomological Stuent, except descriptions of Genera and pecies, which are foreign to the nature such a work.

A new edition of Dr. Russel's History
Modern Europe, continued to the
reaty of Amiens, by Dr. Coote, will
published in the course of next month.
Edward Scott Waring, Esq. will
lorly publish a History of the Mahthas, prefaced by a historical sketch
the Decan, prior to the era of Mahtha independence.
Mr. B. Travers, Demonstrator of

Anatomy at Guy's Hospital, has in the press an experimental Inquiry concerning Injuries to the Canal of the Intestines, illustrating the treatment of the Hernia.

Mr. R. Stocker, Apothecary to Guyla Hospital, has in the press the new London Pharmacopæia, enlarged from the last Edinburgh and Dublin Pharmacopæias, and reduced to one common nomenclature; with an appendix of the genera and species of the different articles of their Materia Medica.

Dr. Maclean will shortly publish an Inquiry into the Origin, early Signs, Nature, Causes, and Cure of Hydrothorax, with a number of interesting cases.

Mr. Ashford, Member of the Royal College of Surgeons, has in the press an Epitome of Auatomy, comprised in a series of tables. It will form a thin quarto volume, and its object is to furnish a copious vocabulary for the students of anatomy.

To be published in the present month in 2 vols. 8vo. an Essay on National Governments. By George Ensor, Esq. Author of the Independent Man, and Principles of Morality.

Soon will be published, Tales of Romance, with other Poems. By Charles A. Elton, Author of a Translation of Hesiod. Handsomely printed in foolscap 8vo. with four plates, after designs by Mr. Bird.

Mr. Cooke, of Brentford, has in the press a practical Treatise on Tinea Capitis Contagiosa; together with Inquiries into the Nature and Cure of Fungus Hæmatodes and Nævi Materni.

Dr. Whitaker, the learned Historian of Whalley and of Craven, will shortly publish an interesting quarto volume, formed principally from Letters of Sir George Radcliffe.

Mr. Hutton of Birmingham, has in the press a Trip to Coatham, a new and beautiful watering place on the coast of Yorkshire.

The Rev. I. Williams, M. A. Curate of Stroud, Gloucestershire, will shortly publish a small volume of Poems, illustrative of Subjects Moral and Divine,

among the refer to warmer begins a

THE PLANT OF THE PROPERTY OF THE PERSON.

ing humanity, englance

Art. XXV. Sonnets, and other Poems. By Martha Hanson. 2 vols. fcp. 8vo. pp. 350 price 14s. bds. Mawman 1809.

SOME of our fraternity have insisted, we think too rigorously, that even a lady should not venture to publish till she has made a tolerable proficiency in grammar and spelling. We will not be so unreasonably sensurious, but freely admit that the circumstances which now leads to print' a couple of volumes of sonnets and other poems, may be so urgent as not to allow of the delay which in other cases we should earnestly recommend, or that the poetical talent they exhibit may atone for any trivial inaccuracy. It does not appear, however, that our fair author can take shelter under either of these apologies. Bu if any of our readers are not sufficiently pestered with manuscript poetry of the same kind from the portfolios of their friends and acquaintance, we sincerely hope that nothing we have said or omitted to say of this neat publication, will dissuade them from adding it to their other needless and harmless luxuries. They may form some ide what a treat they will have, from reading a few of the titles; Stanzas supposed to be written among the ruins of an Abby in Scot. land, Sonnet to the spirit of my infant years, To a friend who came on the eve of the new year to pass a few days with us, 'State zas to a grey linnet which had been shot in the wing, and sung be fore it had been caged three weeks, the author having prevented in being thrown to the cat by a servant, Stanzas supposed to be writen by a lady, you being wished many happy returns of her bink a more ranonal order, be classed with the production syab

Art. XXVI of The Hospital, a Poem. 4to pp. 23 price 2s. Longman and their halth, holding, 'professo 18km Oas a body, no article which

WE cannot speak of this preparation, in terms of unqualified praise. Of the author's professional capabilities we see no reason to doubt and he displays occasional gleams of poetical talent; but he has go Hold of a most unfortunate subject. It is impossible to read his a vocation to the muse, and be serious. 977

aid to avel . Come then my muse, together let us climb notified The spacious stairs, and walk the upper wards.

If these lines, however, are laughable there, are others so miseral dislocated that it is quite shocking to look upon them.

beslow sei 'You'seek their miserable cot, when dire . Vine and Misfortune chains them to their bed, and cheer Their fainting souls' - sense dount

next after these in strict Rotation pass the numerous poor who fill

The spacious hall'-Tis hard, but still it might be worse. No dread Convulsion shakes thy tortured frame. Reason

1 Maintains her power, &c. ye aged towr's, I thank You for the aid you lent the nymph when she,' &c.

How many books are to follow this specimen, or how many w remain to be sung, we are unable to conjecture: but we cannot, ind mon humanity, encourage the muse in her perambulations, till she acquired some tolerable expertness in the use of her legs.

# ART. XXVII. SELECT LITERARY INFORMATION.

Gentlemen and Publishers who have works in the press, will oblige the Conductors of the ECLECTIC REVIEW, by sending information (post paid,) of the subject, extent, and probable price of such works; which they may depend upon being communicated to the public, if consistent with its plan.

The Rev. William Bawdwen proposes publishing by Subscription, in ten volunes, quarto, a literal Translation of the whole of Domesday Book; with the modern Names of Places, adapted as far a passible to those in the Record. An lader will be given to each County, and a Glossary with the last volume. Two Guineas to be paid on the Delivery of each volume. Any one volume may be subscribed for separately. The volune already published, contains the County of York, including Amounderless Lonsdale, and Furness, in Lancathire, and such parts of Westmoreland and Cumberland as are contained in the Surrey; and also the Counties of Derby, Nottingham, Rutland and Lincoln.

Mr. (Thomas Haynes has in the press, her and interesting Discoveries in Horticulture, as an improved system of propagating Fruit-trees, Ever-greens, and aciduous ornamental Trees and Shrubs. Jesse Foot, Esq. Surgeon, is preparing broublication the Lives of Andrew Robinson Bowes and the Countess of Strathnore his Wife.

The Rev. W. Kirby, A. B. F. L.S. athor of Monographia Apum Angl. M Mr. W. Spence, F. L. S. are engaged preparing an introduction to Entomoby, which is in a state of considerable orwardness. The plan of the work is opular, but without overlooking sciuce, to the technical and anatomical epartments of which, much new matwill be contributed. Its object, after briating objections and removing preodices, is to include every thing useful interesting to the Entomological Stuent, except descriptions of Genera and pecies, which are foreign to the nature such a work.

A new edition of Dr. Russel's History Modern Europe, continued to the featy of Amiens, by Dr. Coote, will published in the course of next month. Edward Scott Waring, Esq. will only publish a History of the Mahprefaced by a historical sketch the Decan, prior to the era of Mahth independence.

Mr. B, Travers, Demonstrator of

Anatomy at Goy's Hospital, has in the press an experimental Inquiry concerning Injuries to the Canal of the Intestines, illustrating the treatment of the July The Ville Rull Occasion

Mr. R. Stocker, Apothecary to Guyla Hospital, has in the press the new London Pharmacopæia, enlarged from the last Edinburgh and Dublin Pharmacopæias, and reduced to one common nomenclature; with an appendix of the genera and species of the different articles of their Materia Medica.

Dr. Maclean will shortly publish an Inquiry into the Origin, early Signs, Nature, Causes, and Cure of Hydrothorax, with a number of interesting cases.

Mr. Ashford, Member of the Royal College of Surgeons, has in the press an Epitome of Anatomy, comprised in a series of tables. It will form a thin quarto volume, and its object is to furnish a copious vocabulary for the students of anatomy.

To be published in the present month in 2 vols. 8vo. an Essay on National Governments. By George Ensor, Esq. Author of the Independent Man, and Principles of Morality.

Soon will be published, Tales of Romance, with other Poems. By Charles A. Elton, Author of a Translation of Hesiod. Handsomely printed in foolscap 8vo. with four plates, after designs by Mr. Bird.

Mr. Cooke, of Brentford, has in the press a practical Treatise on Tinea Capitis Contagiosa; together with Inquiries into the Nature and Cure of Fungus Hæmatodes and Nævi Materni.

Dr. Whitaker, the learned Historian of Whalley and of Craven, will shortly publish an interesting quarto volume, formed principally from Letters of Sir George Radcliffe.

Mr. Hutton of Birmingham, has in the press a Trip to Coatham, a new and beautiful watering place on the coast of Yorkshire.

The Rev. I. Williams, M. A. Curate of Stroud, Gloucestershire, will short!publish a small volume of Poems, illustrative of Subjects Moral and Divine, to which will be added, an Ode on Vaccination, addressed to Dr. Jenner.

The Rev. D. Davies, of Milford in Derbyshire, is preparing a Historical and Descriptive View of the Town and County of Derby, to be comprised in a large volume octavo.

Pekin, Manilla, and the Isle of France, between 1784 and 1801. By M. De Guignes, French Resident at China, &c. &c. Handsomely printed in one vo-

lame Ato. with plates, similar to Mr. Barrow's Account of China.

red to with the the the

Proposals are issued for printing, by

Subscription, a Rational Demonstration of the Divine Authority of the Bibles to be printed with a large type, on thick paper. Price 10s. in boards, demy octavo.

The Reve Dr. Baker, of Cawston in Norfolk, has put to the press, the Psalm evangelized, in a continued Explanation, wherein is seen, the Unity of divine Truth, the Harmony of the old and new Testaments, and the peculiar Sentiment of Christianity in Accordance with the Experience of Believers in all Ages, It is intended to be comprised, if possible, in one large octavo volume.

## Art. XXVII. LIST OF WORKS RECENTLY PUBLISHED.

### AGRICULTURE,

A Review of the Reports to the Board of Agriculture from the Western Department of England; comprising Cheshire, Flintshire, Shropshire, Herefordshire, Worcestershire, North Wiltshire, North Somersetshire, &c. By Mr. Marshall, 8vo. 12s.

### TENE BIOGRAPHY.

The Life of Apollonius of Tyana, translated from the Greek of Philostratus, with notes and illustrations. By the Rev. Edward Berwick, Vicar of Leixlip in Ireland. 8vo. 12s.

### COMMERCE.

The Youth's Guide to Business; containing an easy and familiar introduction to Book-keeping by single entry; Bills of Parcels, &c. Tables of Money, Weights, and Measures, methodised and arranged on an improved plan; and a variety of arithmetical questions for occasional Exercise and Improvement. Designed for the Use of Schools. By Thomas Carpenter. 12mo. 2s. 6d.

## FINE ARTS.

The Fine Arts of the English School; comprising a Series of highly finished Engrayings, from Painting, Sculpture, and Architecture, by the most eminent English Artists; each subject accompanied by appropriate historical, descriptive, critical, or biographical letter-press. Edited by John Britton, F. A. S. Contents of No. 1. A Portrait of John Dunning, Lord Ashburton, from a Picture by Sir Joshua Reynolds. 2. A Historical Composition, representing Thetis bearing the Arms to Achilles; West, P. R. A. 3. A View of an Alto

Relievo, representing the Passage from the Lord's Prayer, "Deliver us from Evil." Flaxman, R. A. 4. An Elemention of the West Front of St. Pauls Cathedral Church, London. 5. A Pauls of the Substructure of the same Building; Sir Christopher Wren; both dam by James Elmes. No. 1. large Ital. 1s. Atlas 4to. 11. 16s.

cribed for acpar (c.y.

## me, as an improved system of pro-

The Doctrine of Life Annuities and Assurances, by Francis Baily. 800 ll.

### MEDICINE. IS SOMEDICINE. IS SOWOU MOR

A genuine Guide to Health, or pract cal Essays on the Preservation of Health with the most effectual Means of preventing and curing Diseases; also Stree tures on Regimen, and the Managemen of Invalids, with particular Advice to Women in Child-bed, and the Foo best adapted for Infants. To which an added; Observations on Intemperance and various Excesses; their extraord nary Influence on the Haman Frame with Suggestions to counteract the baneful Effects; written in a brief, to clear and comprehensive Manner. T. F. Churchill, M. D. Professor of Me wifery, in Lendon, Author of the practice tical Family Physician, Medical Ro membrancer, &c. &c. 12mo. 4s. seve

### MISCELLANEOUS.

Journal of a Regimental Officer of ring the Recent Campaign in Portuga and Spain under Lord Viscount Welling ton. With a correct plan of the Bat the of Talavera. 8vo. 4s. 6d.

Capt. Foote's Vindication of his On duct when Captain of his Majesty's Sh Sea-Horse, and Senior Officer in the Bay of Naples in the summer of 1799;
with Observations on Clarke and Mc
without's Life of Lord Nelson. 8vo. 7s.
A Treatise on the Passions, illustrative of the Human Mind. Interspersed
with Poerry, original and selected. By
Lady. 2 vols. post 12mo. 12s.

Dramatic Romances: containing the poison. Tree and the Torrid Zone. 8vo.

A concise theoretical and practical view of the Instruction of the Deaf and Dumb; by which they are enabled to seak, and understand a Language. Containing Hints for the Correction of impediments in Speech; and a Vocability for their Use, illustrated by numerous copper-plates, representing the most common objects necessary to be amed. By Joseph Watson, LL. D. 2 ols. 8vo. 15s.

30%

los los

10

D.

from

from

lera

Pauls

Plan

Build

draw

to. II.

BE TO

strate

estage

es an

ro. Il

noen f

praeu

Health

of pre

so Strie

dvice 1

he Foo

which an

perance

xtraord

Frame

act the

brief, bo

mer.

or of Mic

the prac

dical Re

45. Seven

Officer do

a Portug

at Wellin

f the Bal

of his Con

jesty's Shi ficer in th

The Female Economist; or, a plain stem of Cookery. For the Use of that Families. Containing eight hunded and fifty valuable receipts. By In Smith. 12mo. 4s. boards.

The Refusal, a Novel. By Mrs. West.

The Hindoo Pantheon. By Edward lor, F. R. S. Member of the Asiatic riety of Calcutta, and of the Literary city of Bombay. Dedicated to the mourable Jonathan Duncan, Governor of Bombay, and illustrated by one madred and five plates, containing contembly more than a thousand mythomal Figures and Subjects, all taken moriginal Images, Pictures, Excation, classical and other Statues, Obels, Coins, Medals, &c. never before graved, royal 4to. 51. 5s.

An Appeal to the Public, or, a Vination of the character of Mr. Wilm Hale, from the calumnious Asperns of the Reviewer in the Evangelical gazine, with a candid Statement of jections against the London Female pitentiary. By John Thomas. 8vo.

Vindication of the London Female itentiary, in Reply to the Rev. Mr. mas's Objections to that Institution, tained in his late Appeal to the Pub-By G. Hodson, 8vo. 2s.

### POETRY.

he Age, a Poem; Moral, Political, Metaphysical. In ten books. 8vo.

he Hospital, a poem. Book 1. 4to.

English Minstrelsy; being a Selection of Fugitive Poetry, from the best English Authors, with original pieces hitherto unpublished, 2 vols, sm. 8vo. 14s.

A Selection from the poetical Works of Thomas Carew. With a Life of the Author; and Notes, by John Fry. 12mo. 4s.

Select Poems, &c. by the late John Dawes Worgan, of Bristol, who died on the 25th of July, 1809, aged nineteen years. Embellished with a Profile of the Author. To which are added, Some Particulars of his Life and Character, by an early Friend and Associate; with a preface, by William Hayley, Esq. crown 8vo. 7s.

### POLITICS.

A short historical Sketch of the Expenses of the Civil List, Pensions, and Public Offices; with some Observations on the Conduct of the modern Reformers. Price 1s. 6d.

Copy of a Letter from Lord Minto, and the Council of the Bengal Presidency to the honourable Sir G. H. Barlow, Bart. and K. B. Governor in Council, Fort St. George. Svo. 2s. 6d.

Effects of the Continental Blockade, upon the Commerce, Finances, Credit, and Property of the British Islands. By Sir Francis D' Ivernois. With Observations on Mr. Newenham's View of Ireland.

England the Cause of Europe's Subjugation, addressed to the British Parliament. 8vo. 1s.

A Review of Lord Selkirk's Objections to a Reform in the Representation of of the People; in a Letter to John Cartwright, Esq. By John Pearson, Esq. 8vo. 1s. 6d.

### THEOLOGY.

Good Thoughts in bad Times, and good Thoughts in worse Times. By T. Fuller, B. D. A new edition with a Recommendatory Preface. By James Hinton, M. A. Oxford. 18mo. 2s. 6d.

Thoughts on the Sufferings of Christ. By the Author of the Refuge. price 2s.

Remarks on the present State of the established Church and the increase of Protestant Dissenters, by an attentive Observer. 8vo. 2s.

Eschol, a Cluster of the Fruit of Canaan brought to the Borders, for the encouragement of the Saints travelling thitherward with their faces toward

walking of the saints in fellowship according to the order of the Gospel, by the late John Owen, D. D. correctly reprinted from an original copy, 18mo. 1s. 6d. And as the standard and a daugh

A Sermon delivered at the old Meeting-house, Walthamstow, Dec. 10, 1809, on Occasion of the Death of Mrs. Hannah Cooke. To which is annexed an Address, delivered at her Interment in Bunhill Fields, December 5, 1809. By E. Cogan. 8vo. 1s.

A few Words on the Increase of Methodism; occasioned by the Hints of a Barrister, and the Observations in the

Edinburgh Review. 8vo. 1s.

An Inquiry into the moral Tendency of Methodism and Evangelical preaching. Including some Remarks on the Hints of a Barrister. By William Burns.

8vo. 4s. sewed.

The History of our Lord and Saviour Jesus Christ: arranged according to the Order of Time, and in the exact Words of the four Evangelists; an Account of the principal Jewish Sects and Parties; and the prophetic History of Christ. Illustrated by forty-seven plates. royal 8vo. 11. 6s.

### TOPOGRAPHY.

The History and Antiquities of the County of Cardigan; exhibiting the Political, Military, and Ecclesiastical History of its Inhabitants, their Manners, Laws and Customs, from the earliest period to the Reign of Henry the Eighth; together with the mineralogical

to recognize the state of the state of the the stranger and sometimes to the state

wage o'l spice old

Zion, or Rules of direction for the and agricultural State of the Country its parochial History, genealogical and heraldic Records, &c. To which is added, a copious Appendix of curious and interesting documents. By Samuel Rush Meyrick, A. B. of Queen's College, Oxford. Printed on superfine wove po. per, and hot-pressed, dedicated by permission to the Rev. Septimus Collinson, D. D. &c. and illustrated by 20 engray. ings by Storer and Greig. royal 410, 11. 4s.

A View of the Ancient and Present State of the Zetland Islands; including their civil, political, and natural History, Antiquities, and an Account of their Agriculture, Fisheries, Commerce, and the State of Society and Manners, By Arthur Edmonston, M. D. Illustrated by a Map. 2 vols. 8vo. 18s.

The Beauties of England and Wales; or, a topographical and descriptive Account of each County. Vol. xi. 8vo. 14

5s. boards; royal paper 2l.

A Description of the Feroe Islands containing an account of their Situation Climate, and Productions; together with the Manners and Customs of the Inhabitants, their Trade, &c. Trans lated from the Danish. Illustrated by a map, and other engravings. By the Rev. G. Landt. 8vo. 12s.

A Picturesque Voyage to India; the Way of China. By Thomas D niell, R. A. and William Daniell, A. R. Part I. (containing five coloured pant neatly mounted, with letter press

granded that the state of the Maria

-respect which this will will be hard the world the same of the same of the

4to, 11, 16.

bood abougues in including and good Thoughts an or no Time. By It THE COLUMN WILL PROPERTY. Hecommendatory President Str. Burney Ibedon, Mara. Oxford. ISLactica. nd. acstate of the manner of the object of the same of the later of By the Astron of 1st if tuge, price de-Remarks on the precent Servetor the contracted and yell proposed these seems by an orienteed

distributed of the Printed of Echol, a Cherter of the Proft of . the manufactured were book array of the man brought to the Borders; for the and the state of add in demographes and to find Book 1 Applied Lieuward of the Control of the Control

LIVE THE STANLE